ORDER NO. AD9603054C8

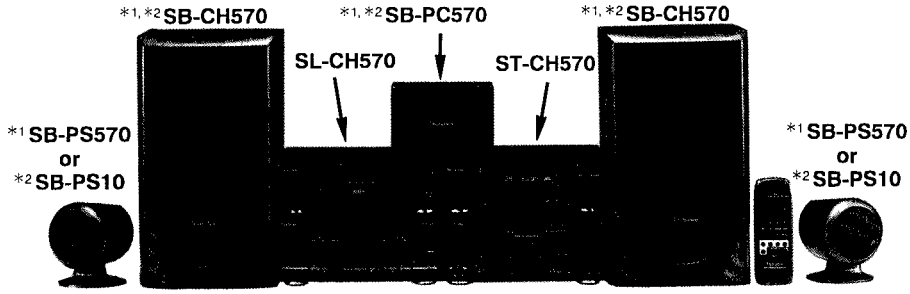
Service Manual

Amplifier

Amplifier

DOLBY SURROUND PRO • LOGIC

SE-CH570



Note: The design of SB-PS10 is differ from the above picture.

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Colour

(K) : Black

Areas

Suffix for Model No.	Area	Colour
(E), (EP)	Europe	(K)
(EB)	Britain	
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle East, Africa and Oceania	

Specifications

System: SC-CH570

Power output
- **DIN 1 kHz, THD 1%, both channel driven** 2 × 35 W (6 Ω)
- **RMS 1 kHz, THD 10%, both channel driven** 2 × 48 W (6 Ω)
- **PRO LOGIC mode**
  - **DIN 1 kHz, THD 1 %**
    - **MAIN (both channels driven)** 2 × 30 W (6 Ω)
    - **SURROUND** 30 W (4 Ω + 4 Ω)
    - **CENTER** 30 W (8 Ω)
  - **RMS 1 kHz, THD 10 %**
    - **MAIN (both channels driven)** 2 × 40 W (6 Ω)
    - **SURROUND** 40 W (4 Ω + 4 Ω)
    - **CENTER** 40 W (8 Ω)
  - **[For (GC) area only]**
  - **PMPO 1kHz** 1400 W
    - **[MAIN (both channels driven) 6 Ω, SURROUND 4 Ω + 4 Ω, CENTER 8 Ω]**

Total harmonic distortion
- **Rated power at 1 kHz** 1% (6 Ω)
- **Half power at 1 kHz** 0.09% (6 Ω)

Load impedance
- **MAIN** 6 Ω – 8 Ω
- **SURROUND** 4 Ω – 8 Ω
- **CENTER** 8 Ω

S/N (rated power)
- **MAIN** 90 dB

■ General

Power consumption
- **[For (E), (EB), (EG) and (EP) areas]** 160 W
- **[FOR (GC) area]** 350 W
  - **[THD 10 %, MAIN (both channels driven) 6 Ω, SURROUND 4 Ω + 4 Ω, CENTER 8 Ω]**

Power supply
- **[For (E), (EG) and (EP) areas]** 230V, AC 50/60 Hz
- **[For (EB) area]** 230 – 240V, AC 50/60 Hz
- **[For (GC) area]** 110/127/220/230-240V, AC 50/60 Hz

Dimensions (W × H × D) 270 × 118.5 × 342.5 mm

Weight
- **[For (E), (EB) and (EG) areas]** 3.9 kg
- **[FOR (GC) area]** 4.3 kg

Notes:
Specifications are subject to change without notice.
Weight and dimensions are approximate.
Total harmonic distortion is measured by the digital spectrum analyzer.

System	Tuner/sound processor	Compact disc player	Amplifier	Cassette deck	Front speakers	Center speaker	Surround speakers
SC-CH570	ST-CH570	SL-CH570	SE-CH570	RS-CH770	*1, *2 SB-CH570	*1 SB-PT570	
						*1 SB-PC570	*1 SB-PS570
						*2 SB-PT570A	
						*2 SB-PC570	*2 SB-PS10

*1 For (E),(EB),(EG) and (EP) areas: Made in PAES
*2 For (GC) area : Made in NABEL

⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Technics®

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■ Before Repair

(1) Turn off the power supply. Using a 10 Ω, 10 W resistor, connect both ends of power supply capacitors (C701, C702) in order to discharge the voltage.
(2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 230 V/240 V.

Area	(E) (EG)	(EB)	(GC)	
Power supply voltage	AC 230 V	AC 240 V	AC 110 V	AC 240 V
Consumed current 50 Hz	60 ~ 220 mA	60 ~ 220 mA	100 ~ 440 mA	50 ~ 220 mA

■ Protection Circuitry

The protection circuitry may have operated if either of the following conditions is noticed:
* No sound is heard when the power is switched ON.
* Sound stops during a performance.

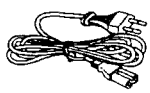
The functions of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.
If this occurs, follow the procedure outlined below:

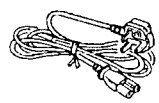
1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

■ Accessories

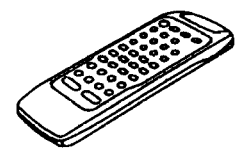
- AC power supply cord
  (E), (EG) and (GC) areas : (RJA0019-2K) 1
  (EB) area : (VJA0733) 1


(E), (EG) and (GC)

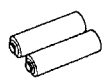

(EB)

- Flat cable
  Long (REX0661) 1
  Medium (REX0660) 1
  Short (REX0608) 1

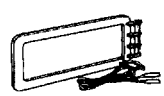
- Remote control transmitter
  (RAK-CH201WH) 1



- Batteries
  (UM-4, "AAA", R03) 2
  Note: These are available on sales route.



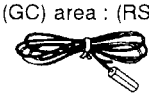
- AM (LW/MW) loop antenna
  (RSA0012) 1



- Antenna holder
  (RMN0244) 1

- Mounting screw
  (XTN3+12AFZ) 1

- FM indoor antenna
  (E), (EB) and (EG) areas : (RSA0007) 1
  (GC) area : (RSA0006) 1

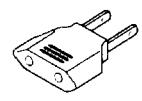

(E), (EB) and (EG)

(GC)

- Speaker cords
  (REE0499) 2

- Attachment plug
  for (EB) area only (SJP9009) 1

- Power plug adaptor
  for (GC) area only (SJP5213-2) 1



■ Caution for AC Main Lead

[(EB) area code model only]

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⟨ASTA⟩ or the BSI mark ⟨BSI⟩ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFETY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

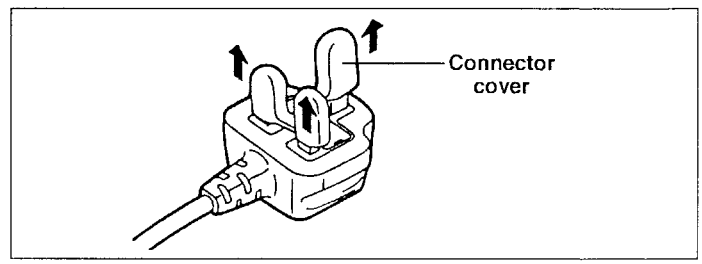
This apparatus was produced to BS 800.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol ⏚ .

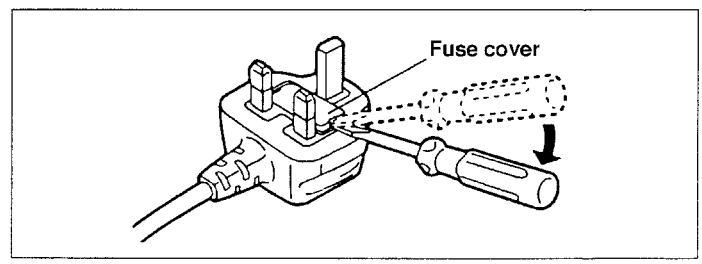
Before use

Removal the connector cover as follows.

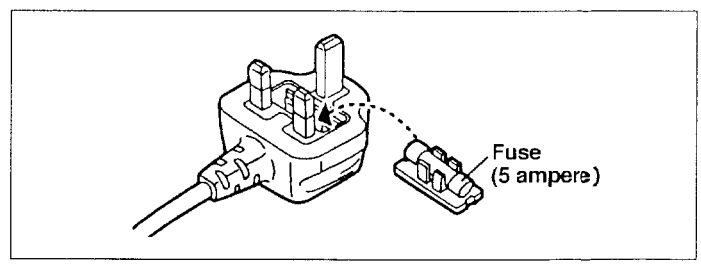


How to replace the fuse

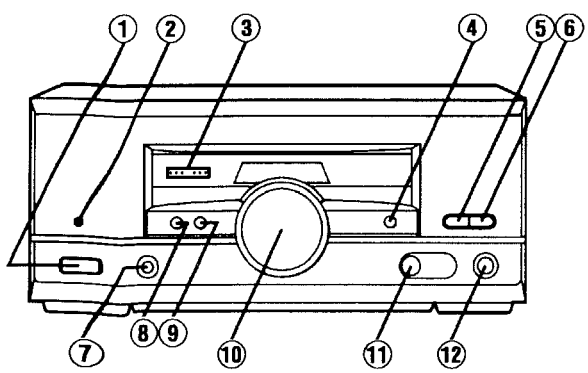
1. Remove the fuse cover with a screwdriver.



2. Replace the fuse and attach the fuse cover.

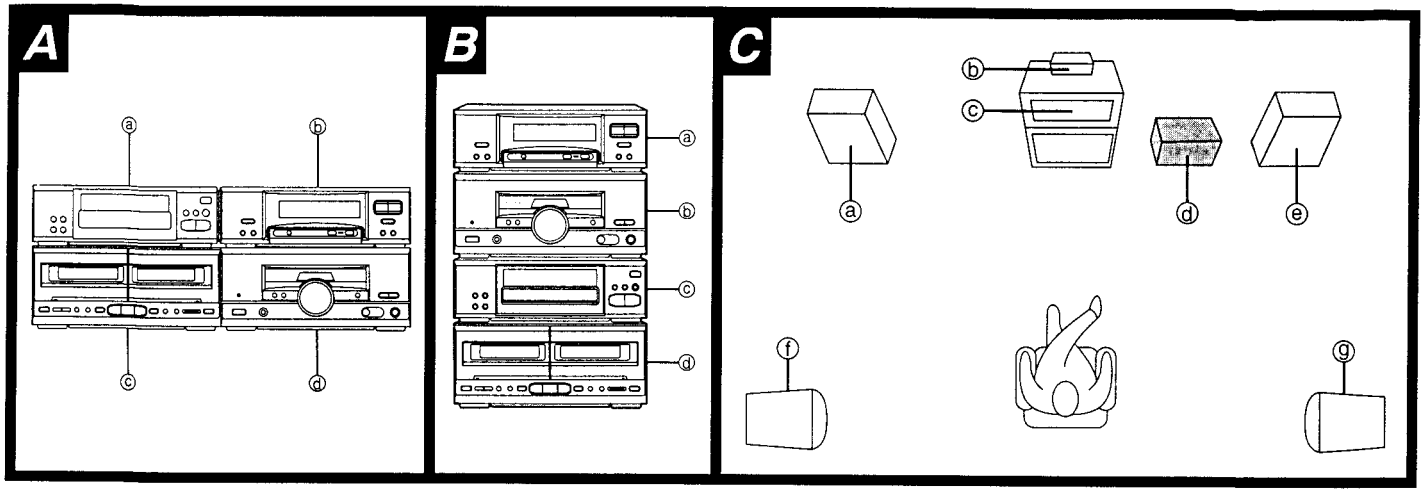


■ Location of Controls



① **Power "STANDBY ⏻/ON" switch (POWER, "STANDBY" ⏻/ON)**
② **Standby indicator (STANDBY)**
③ **Dolby Pro Logic indicators (SURROUND, 3 STEREO)**
④ **Center mode select button (CENTER MODE)**
⑤ **EQ SPACE/flat button (EQ SPACE/FLAT)**
⑥ **V.bass button (V.BASS)**
⑦ **Headphones jack (PHONES) (Ø 3.5, 32 Ω)**
⑧ **DOLBY PRO LOGIC mode select button (□□PRO LOGIC)**
⑨ **Test signal button (TEST)**
⑩ **Volume control (VOLUME)**
⑪ **Microphone jack (MIC) (Ø 6.3, 600 Ω)**
⑫ **Microphone volume control (MIC VOL)**

■ Installation



Stacking the components

Horizontal stacking A

ⓐ CD player
ⓑ Tuner/sound processor
ⓒ Cassette deck
ⓓ Amplifier

Vertical stacking B

ⓐ Tuner/sound processor
ⓑ Amplifier
ⓒ CD player
ⓓ Cassette deck

Placement of speakers C

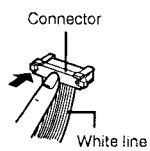
As well as enjoying normal stereo reproduction with the left and right front speakers, a center speaker and surround speakers can also be connected to the unit in order to enjoy the sound performance of DOLBY PRO LOGIC Systems.

We recommend that surround speakers be placed on the side of or slightly behind the listener, and about one meter higher than ear level.
However the position should be adjusted to your personal preference, because the effect varies to some degree depending upon the type of music and the music source.

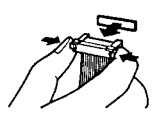
ⓐ Front speaker (Left)
ⓑ Center speaker
ⓒ TV (not included)
ⓓ This system
ⓔ Front speaker (Right)
ⓕ Surround speaker (Left)
ⓖ Surround speaker (Right)

■ Flat Cable (included) Connections

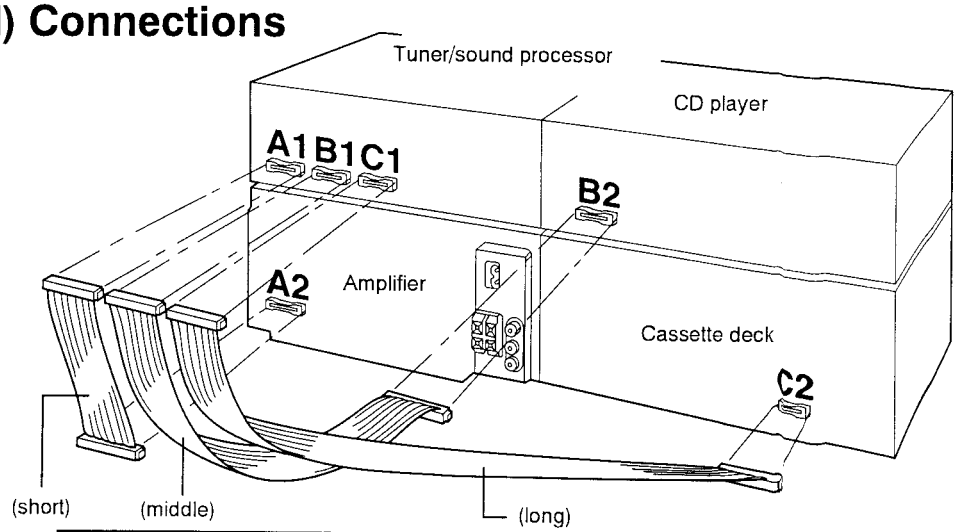
Before marking connections:
Make sure the white line on the cable is on the right side.



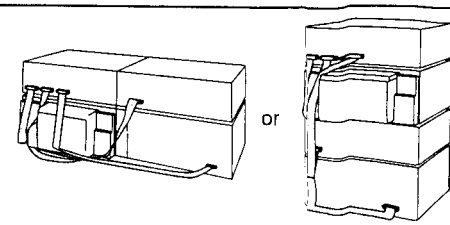
To unplug cables:
Hold the connector from both ends.



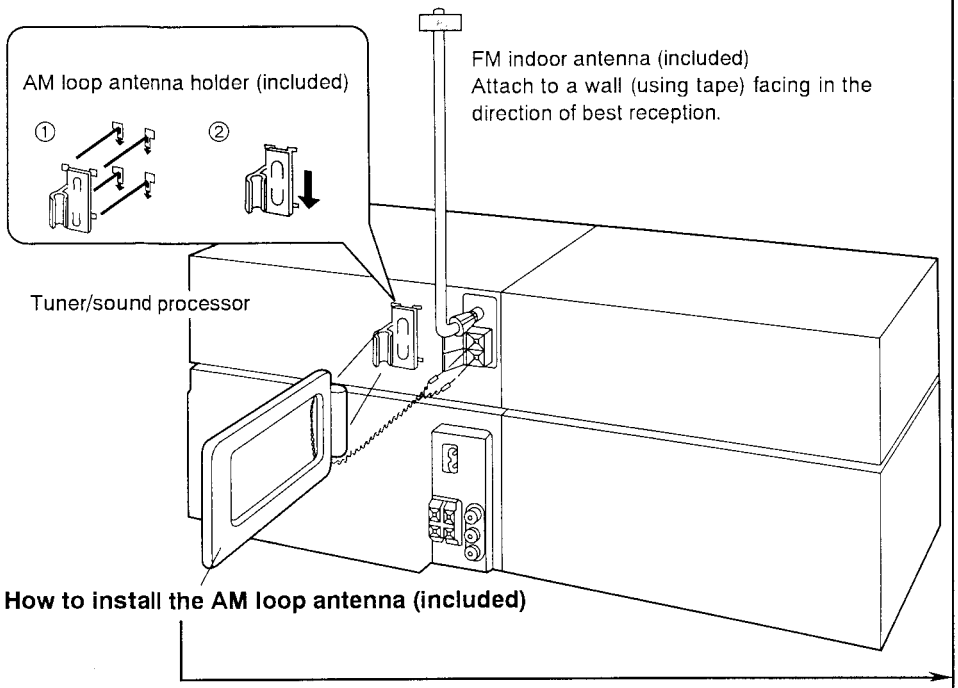
Note **Do not try connecting or disconnecting the flat cables while the power is switched to ON.**



After connection:
Fold and press the cable as flat to the back of the unit as possible. (To minimize noise pickup while listening an MW/LW broadcast)

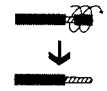


■ Antenna Connections

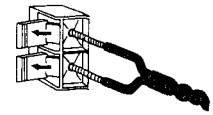

AM loop antenna holder (included)
①
②
FM indoor antenna (included)
Attach to a wall (using tape) facing in the direction of best reception.
Tuner/sound processor

How to install the AM loop antenna (included)

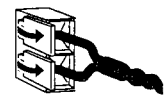
① Strip off the outer covering.



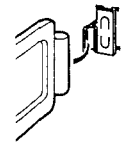
② Insert the wire.



③ Close the lever.



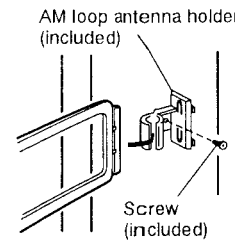
④ Attach the AM loop antenna to the antenna holder.



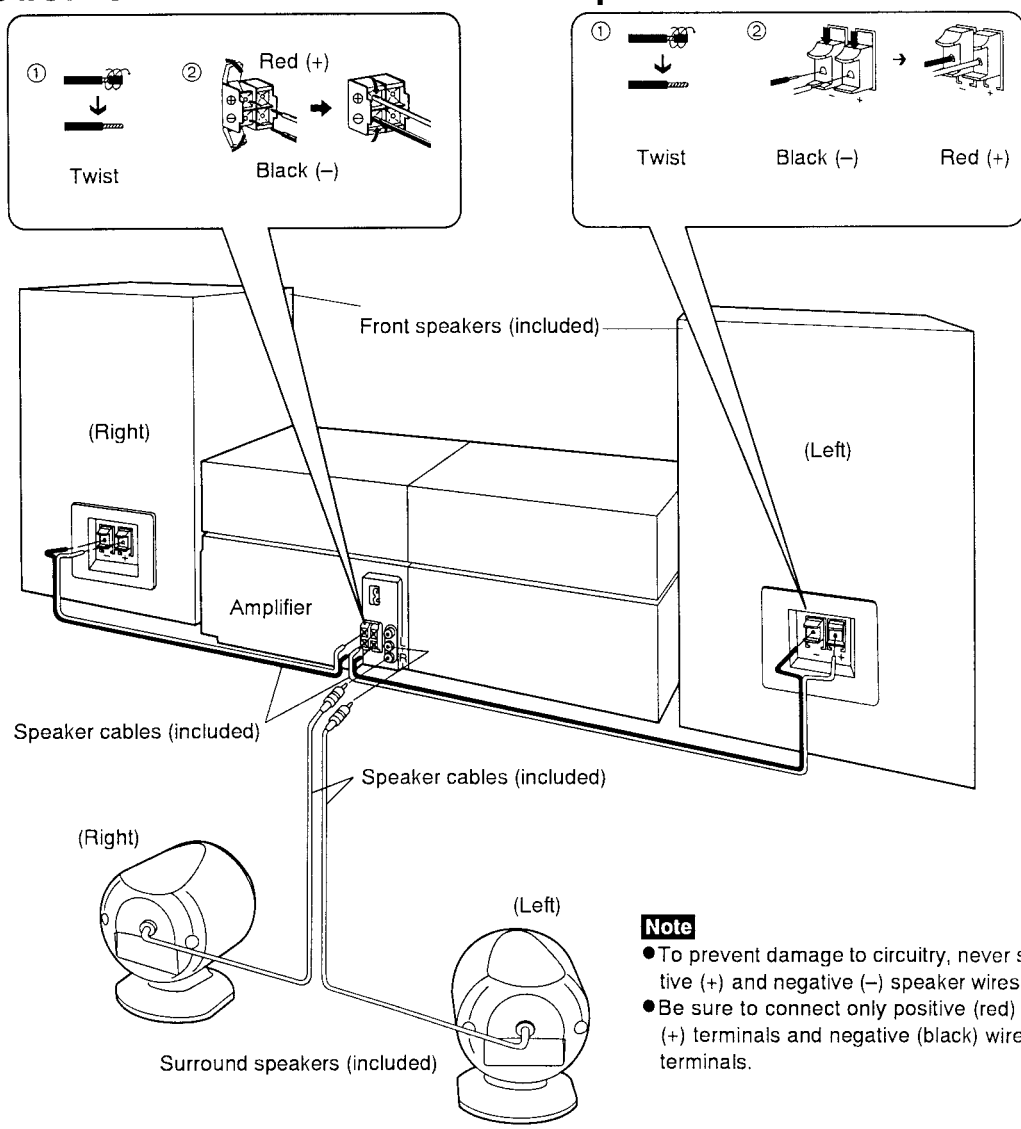
Note

- To minimize noise pickup, bundle the loop antenna cord using a tape or so to keep the flat cables away from the AM loop antenna cord.
- You may attach the antenna holder to a rack or other structure.

- **When mounting the antenna to a column or rack**



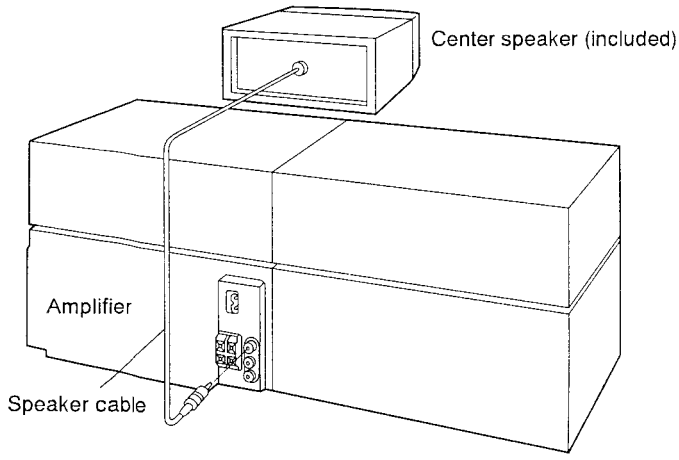
■ Connection of Front and Surround Speakers



Note

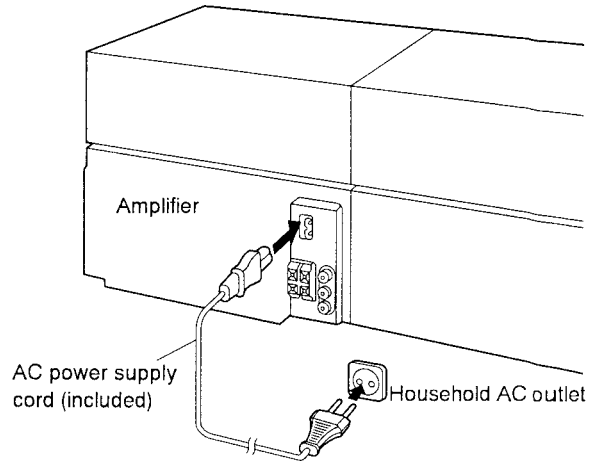
- To prevent damage to circuitry, never short-circuit positive (+) and negative (–) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (–) terminals.

■ Connection of Center Speaker



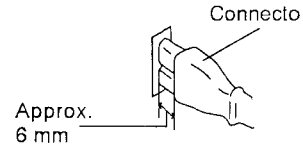
■ Connection of AC Power Supply Cord

● Plug the cord into an outlet only after all other connections have been made.

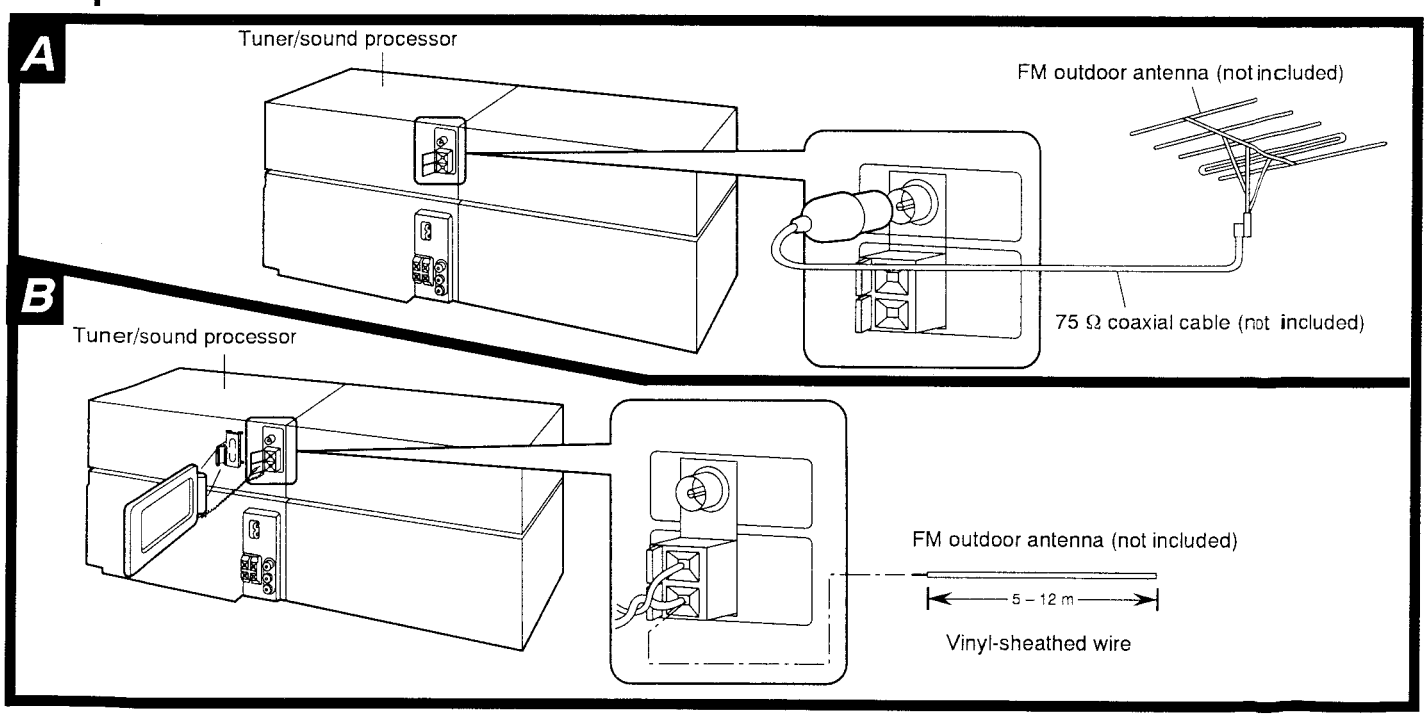


Insertion of Connector:

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.



■ Optional Antenna Connections



FM outdoor antenna (not included) A

The outdoor antenna should be used when using this unit in mountainous areas or in spaces enclosed by reinforced concrete where the FM indoor antenna (included) does not provide satisfactory reception.

Note

An outdoor antenna should be installed by a qualified technician only.

AM (MW/LW) outdoor antenna (not included) B

The outdoor antenna should be used when using this unit in mountainous areas or in spaces enclosed by reinforced concrete where the AM loop antenna (included) does not provide satisfactory reception.

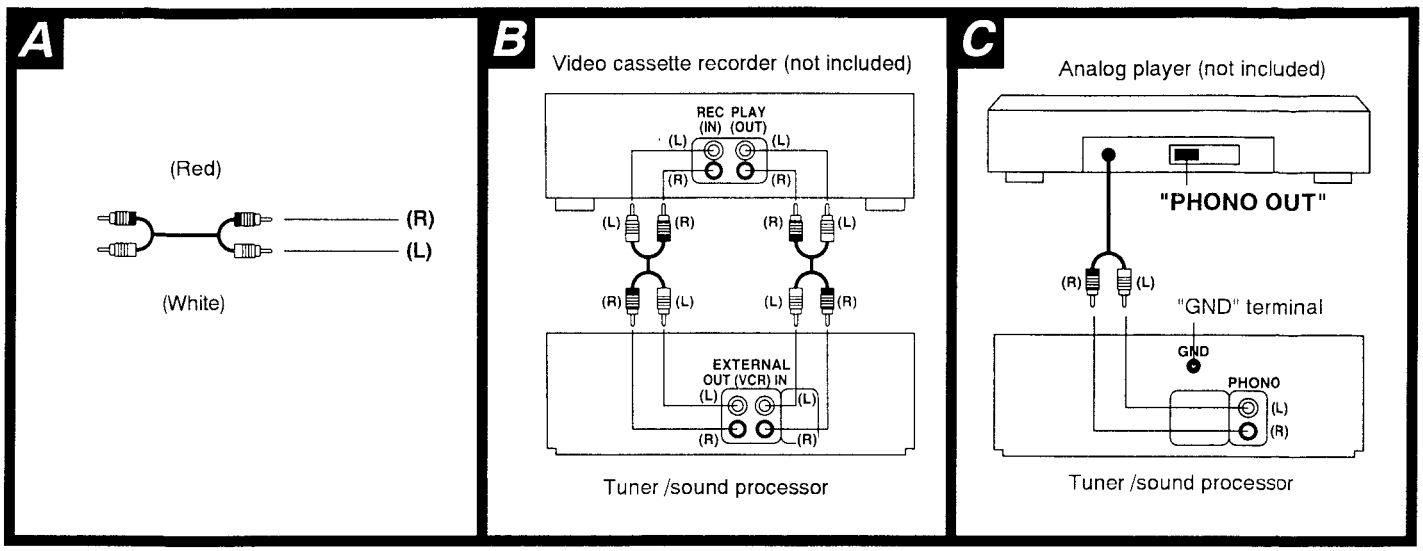
Use 5–12 m of vinyl-sheathed wire horizontally at the window, or a convenient location.

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage from lightning. Never use an outdoor antenna during an electrical storm.

Note

Be sure to connect the AM loop antenna even when an outdoor antenna is used.

■ External Unit Connections



- Make sure that the power supply for all components has been turned off before making any connections.
- For details, refer to the operating instructions of the units which are to be connected.
- When units other than those described below are to be connected, please consult with your audio dealer.

Connecting the stereo connection cable (not included) A
Connect the red plug to the right (R) connector.
Connect the white plug to the left (L) connector.

Video cassette recorder B

Analog player C

This example shows how to connect the analog player with the PHONO OUT/LINE OUT switch.

Set the switch to the "PHONO OUT" position at the back of the analog player.
"GND" terminal is for a ground wire use.

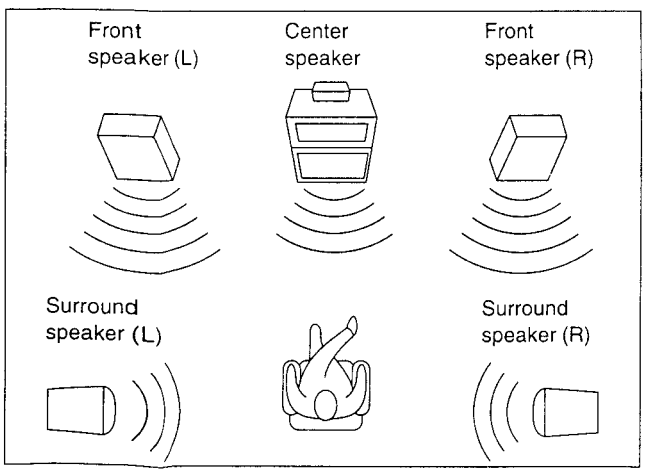
■ Enjoying Sound with DOLBY PRO LOGIC

By combining front, center and surround speakers, you can enjoy the SURROUND mode which conveys a feeling of presence or the 3 STEREO mode which conveys a feeling of orientation.

SURROUND

By reproducing the feeling of depth and movement of sound, video software or compact discs recorded with Dolby Surround provide the listener with a feeling of presence like that of a movie theater.

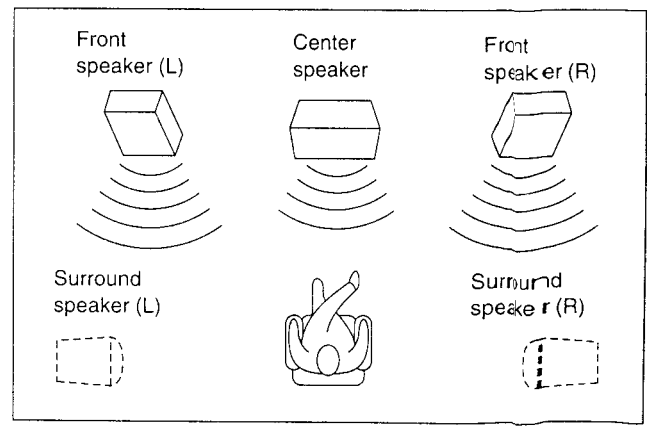
To enjoy SURROUND, be sure to connect the surround speakers.



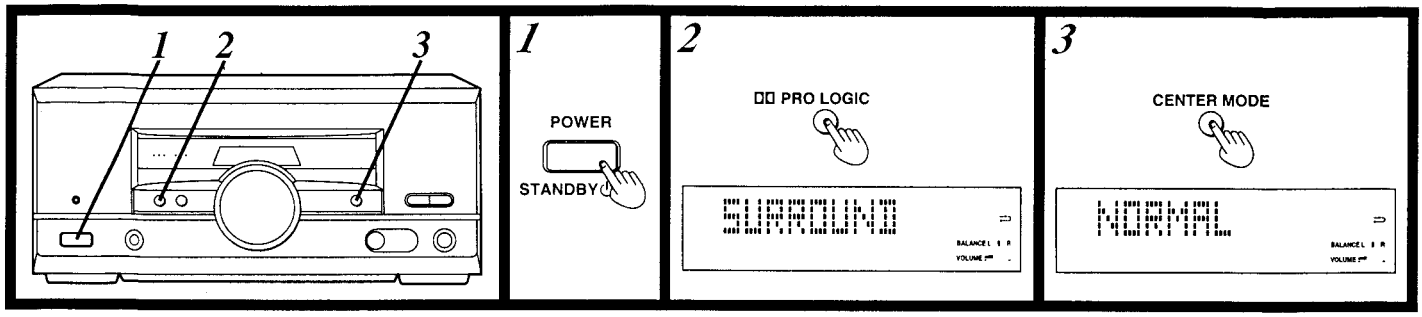
3 STEREO

You can enjoy audio/video sources with clear sound, more presence and a good feeling of orientation. 3 STEREO can be used with sources not recorded in DOLBY SURROUND.

To enjoy 3 STEREO, be sure to connect the center speaker.



Manufactured under license from Dolby Laboratories Licensing Corporation.
DOLBY, and the double-D symbol ⊡⊡ and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.



Setting the center mode

For Dolby Pro Logic systems, center mode setting is necessary to play back bass sounds effectively.
Set the center mode in accordance with the size of your center speaker.

1 **Switch on the power.**

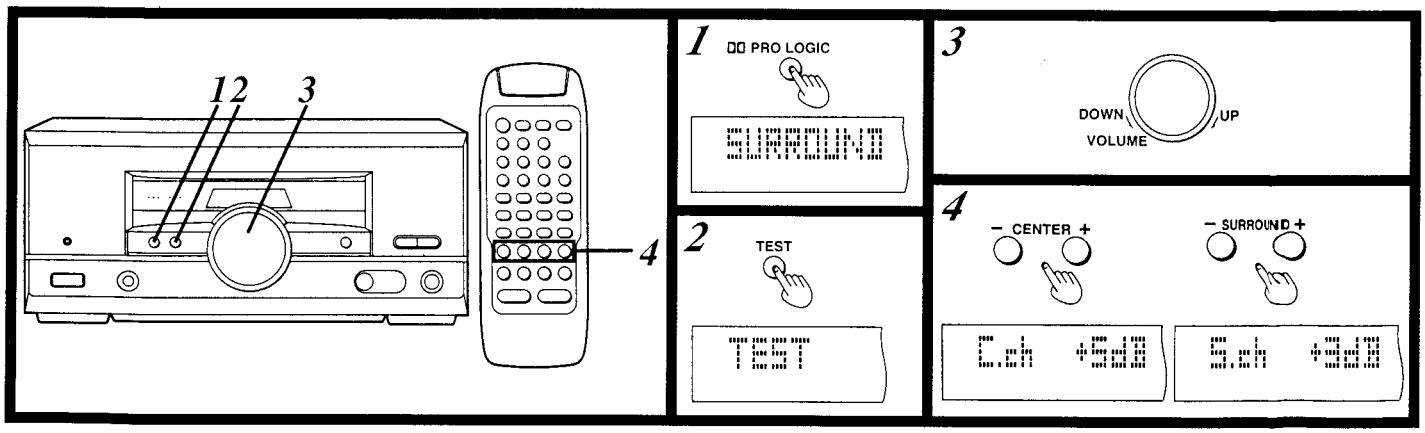
2 **Press PRO LOGIC to select "SURROUND" or "3 STEREO".**
Each time you press the button, the display will change as follows:
SURROUND→3 STEREO→OFF

3 **Press CENTER MODE to select "NORMAL" mode.**
Each time you press the button, the display will change as follows:
NORMAL→WIDE→PHANTOM

Note
"PHANTOM" will not be displayed when you select "3 STEREO" in step 2.

NORMAL:
When the center speaker is smaller than the front speakers
WIDE:
When the center speaker is the same or larger size as the front speakers
PHANTOM: **SURROUND only**
When no center speaker is connected.

Note
In the PHANTOM mode, the sound which would have been sent to the center speaker will be divided equally between both the left and right front speakers.



Adjusting speaker output level

In order to reproduce the movement of the sound and its clear orientation, it is important to adjust the output level of each speaker.
Adjust output to the correct levels while listening to the test signal.
Before starting, check your front speakers are correctly balanced (see page 60).

1 **Press PRO LOGIC to select "SURROUND" or "3 STEREO".**

2 **Press TEST to output a test signal.**
The test signal is emitted in the following order:
For SURROUND mode
Front speaker (left)→Center speaker
↑ ↓
Surround speakers (left, right)←Front speaker (right)

Note
The test signal is not emitted from the center speaker when the center mode is on PHANTOM.

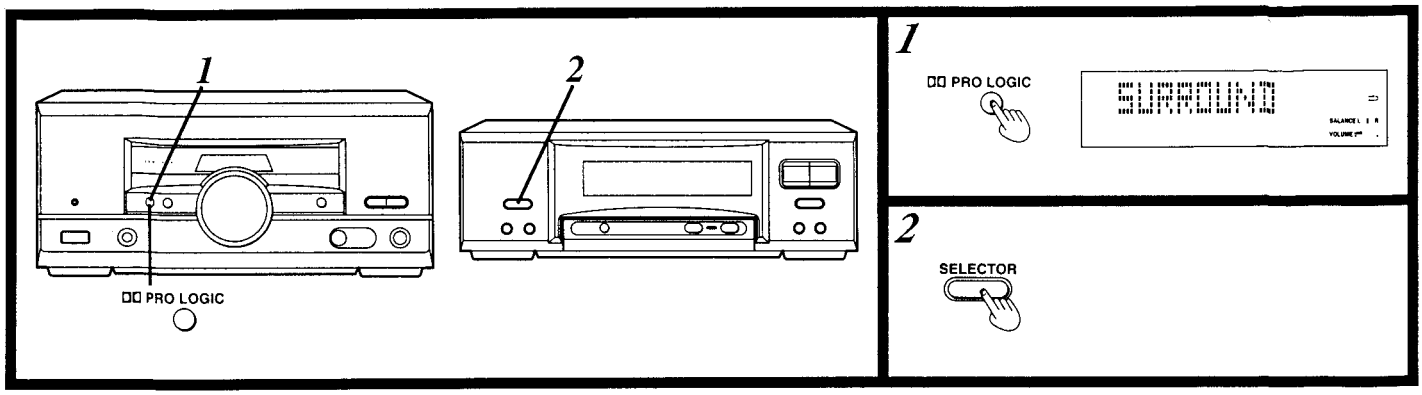
For 3 STEREO mode
Front speaker (left)→Center speaker
↑
Front speaker (right)←

3 **Turn VOLUME to set the volume level normally used for enjoying the source.**

4 **Press CENTER (–) or (+) or SURROUND (–) or (+) on the remote control to adjust the output level balance.**
Adjust the output level of each speaker from the listening position until they are all identical.
Output levels can be varied within a range of ±12 dB with front speaker output level serving as the zero point.

Note
- The test signal is output only by the speaker you are now adjusting and does not repeat the sequence until adjustments are complete.
- Remember you cannot adjust output level of the surround speakers if you selected the 3 STEREO mode in step 1.

To stop the test signal:
Press TEST.



Enjoying with SURROUND or 3 STEREO

Before trying anything, have you set the center mode and adjusted speaker output level?
When viewing a video, turn on the power supply for the TV and set the TV to video mode.

1 **Press PRO LOGIC to select "SURROUND" or "3 STEREO".**

2 **Press SELECTOR to select the desired external source.**
Each time you press this button, sound sources will be switched as follows.

TUNER → CD → TAPE → EXT (VCR)
↑
PHONO ←

These indications correspond to terminals on the tuner/sound processor's rear panel. Switch the displayed indication to the source you want to use.

Note
You can not enjoy SURROUND or 3 STEREO in the tuner mode.

3 **Start the desired source.**
To operate external sources, see the instruction manual provided with the specific unit.

Note
When employing SURROUND, use software recorded in Dolby Surround.

To turn off the DOLBY PRO LOGIC systems:
Press PRO LOGIC to select "OFF".

Note
You cannot record acoustical effects produced in the SURROUND and 3 STEREO modes.

■ Operation Check and Main Component Replacement Procedures

NOTE

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**
3. **Select items from the following index when checks or replacement are required.**
4. **Illustrated screws are equivalent to actual size.**
5. **Refer the parts No. on the page of "Main Component Replacement Procedures", if necessary.**

• Contents

•Checking Procedures for each P.C.B. Page.

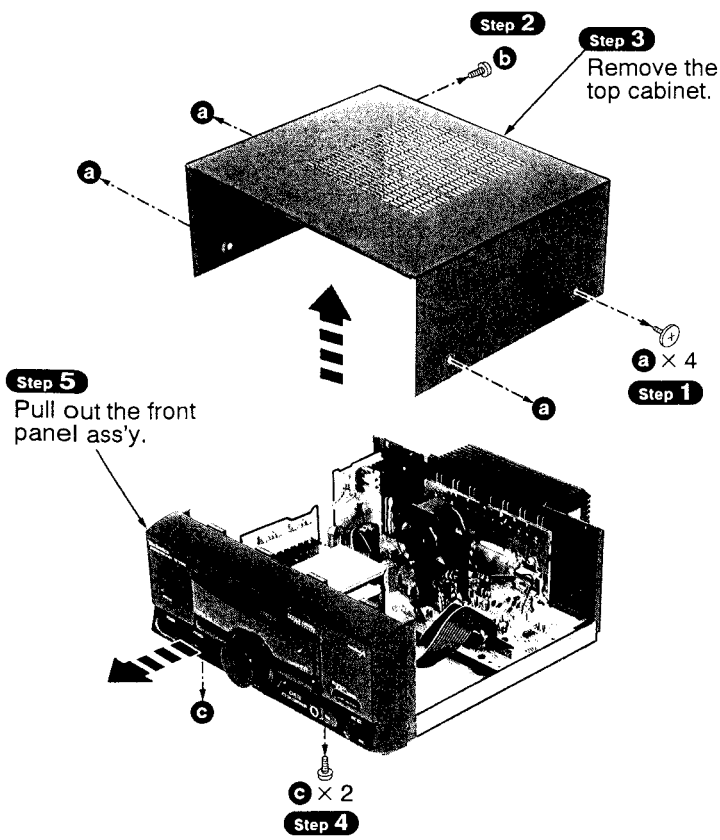
1. Checking for the operation P.C.B.. ..... 10.
2. Checking for the main P.C.B.. ..... 11.

•Main Component Replacement Procedures

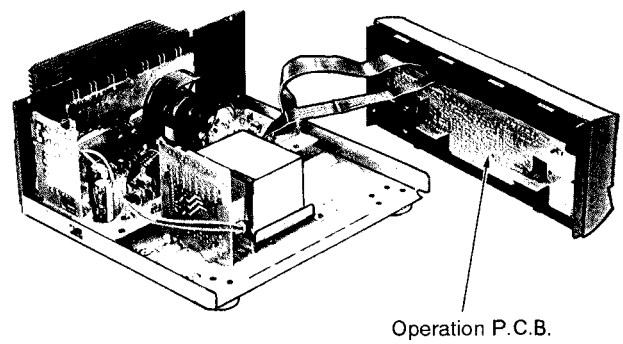
1. Replacement for the power IC and regulator transistor. ..... 12.

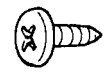
■ Checking Procedure for each P.C.B.

1. Checking for the operation P.C.B.



• **Check the operation P.C.B. as shown below.**





[RHD30007–K1] (Black)

[XTBS3+10JFZ1] (Black)

[XTBS3+8JFZ1] (Black)

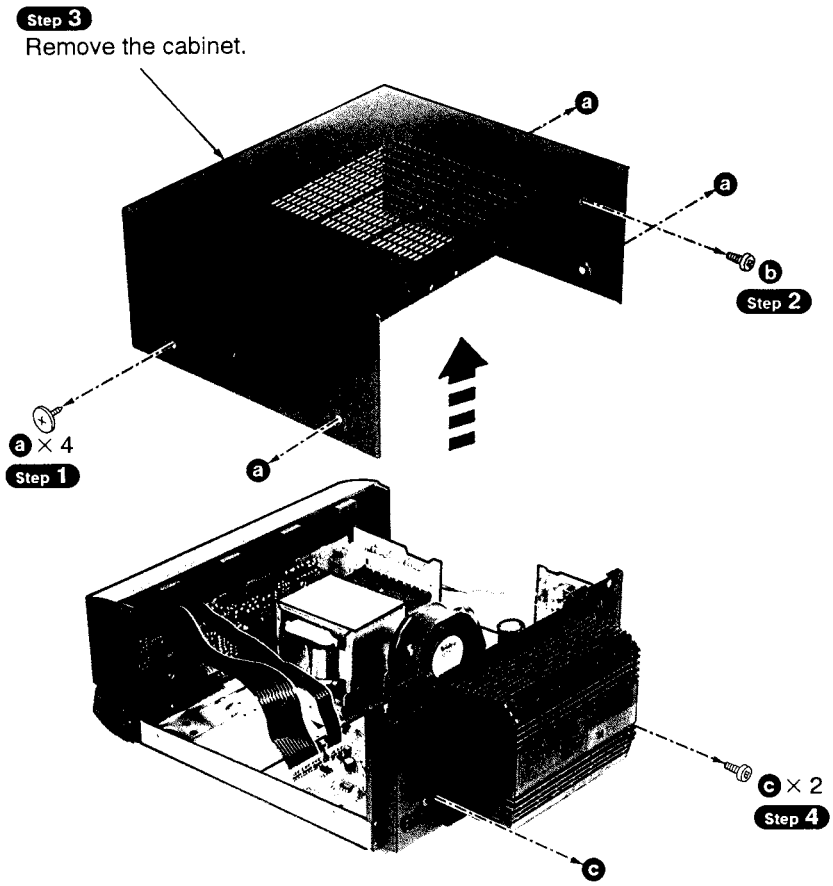
2. Checking for the main P.C.B.

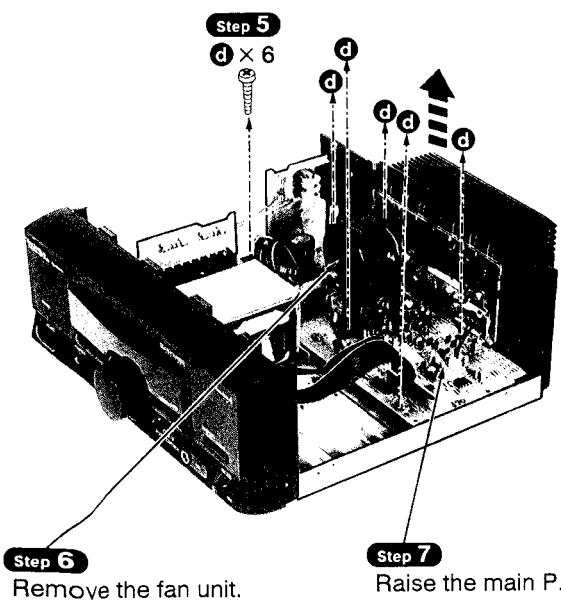
[RHD30007–K1] (Black)

[XTBS3+10JFZ1] (Black)

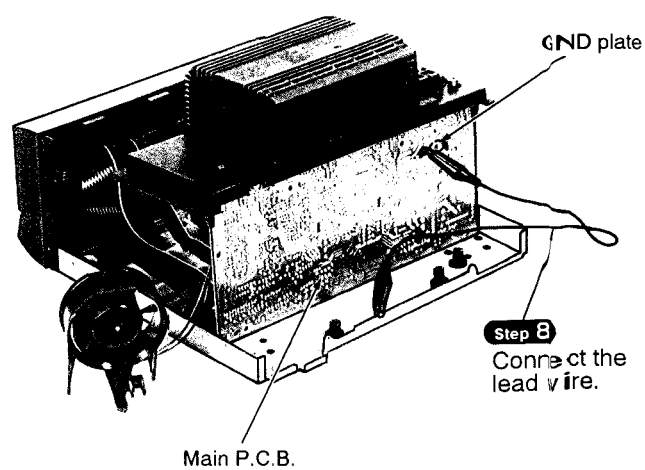
[XTB3+10JFZ] (Black)

[XTB3+20JFZ] (Black)





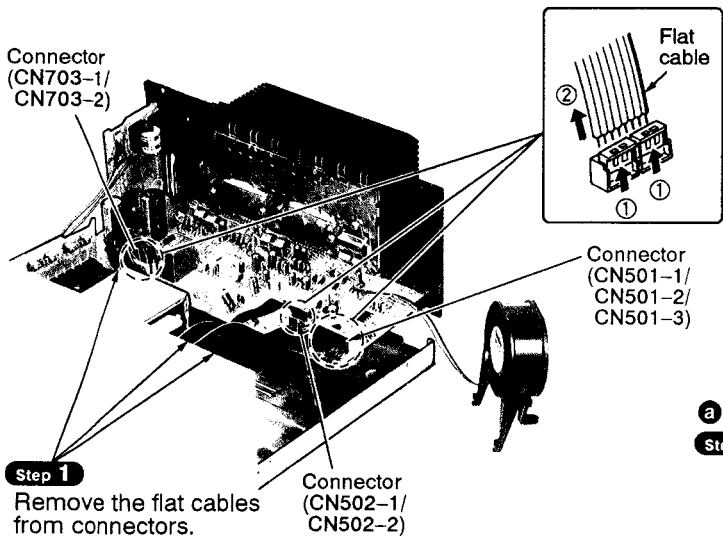
• **Check the main P.C.B. as shown below.**



■ Main Component Replacement Procedures

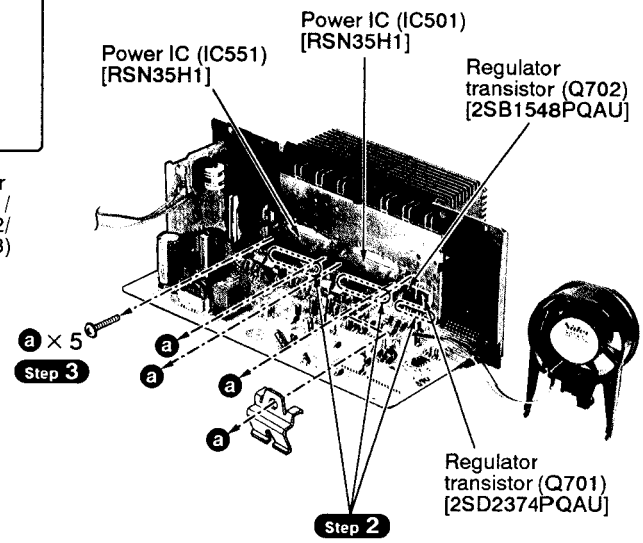
1. Replacement for the power IC and regulator transistor

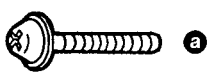
• Follow the item 2 (Step 1 ~ Step 7) checking procedures for each P.C.B. on page 11.



NOTE

When mounting the power IC or regulator transistor, apply silicone compound (RFKX0002) to the rear side of power IC or regulator transistors.





[XTW3+15T]

■ Power Source ON/OFF of This Unit

1. **Connect this unit to an AC outlet by the AC power cord. (This unit comes to stand-by mode.)**
2. **Short the test point TP701 in Fig. 1. This unit comes to power ON mode.**

Operation Check

1. Set this unit to power ON mode.
2. Input a signal (1 kHz, 100mV), and confirm it to be outputted from the speaker terminal.

	INPUT	OUTPUT
Lch	J603 - J308	Lch speaker terminal
Rch	J604 - J308	Rch speaker terminal
Surround	J611 - J308	Surround speaker terminal (To output a signal, both Lch and Rch should be connected.)
Center	J612 - J308	Center speaker terminal

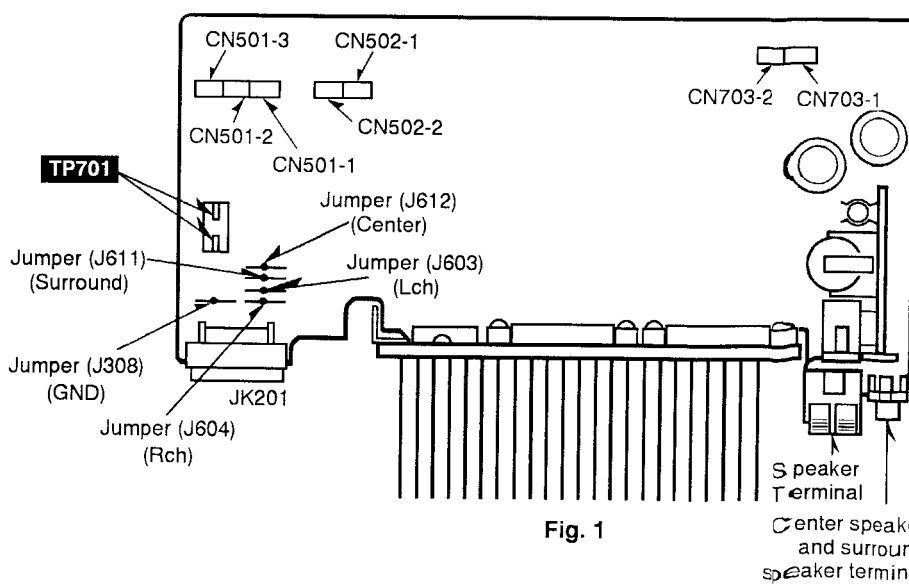


Fig. 1

■ Schematic Diagram

Page

A OPERATION CIRCUIT 14
B MAIN CIRCUIT 15, 16
C POWER TRANSFORMER CIRCUIT [For (E), (EB), (EG) and (EP) areas] 16
[For (GC) area] 13
D AC IN TERMINAL CIRCUIT [For (E), (EB), (EG) and (EP) areas] 16
D VOLTAGE SELECTOR CIRCUIT [For (GC) area] 13
E AC INPUT TERMINAL CIRCUIT [For (GC) area] 13

- **This schematic diagram may be modified at any time with the development of new technology.**

Notes:

- **S601** : Power "STANDBY ⏻ /ON" switch (POWER STANDBY ⏻ /ON)
- **S602** : Pro logic on/off switch (PRO LOGIC)
- **S603** : Test signal on/off switch (TEST)
- **S605** : Center mode select switch (CENTER MODE)
- **S607** : EQ SPACE/FLAT switch (EQ SPACE/FLAT)
- **S608** : V. BASS switch (V. BASS)
- **S701** : Voltage select switch...for (GC) area only
- **VR401** : Microphone volume control (MIC VOL)
- **VR601** : Volume control (VOLUME)

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
  No mark: Power ON

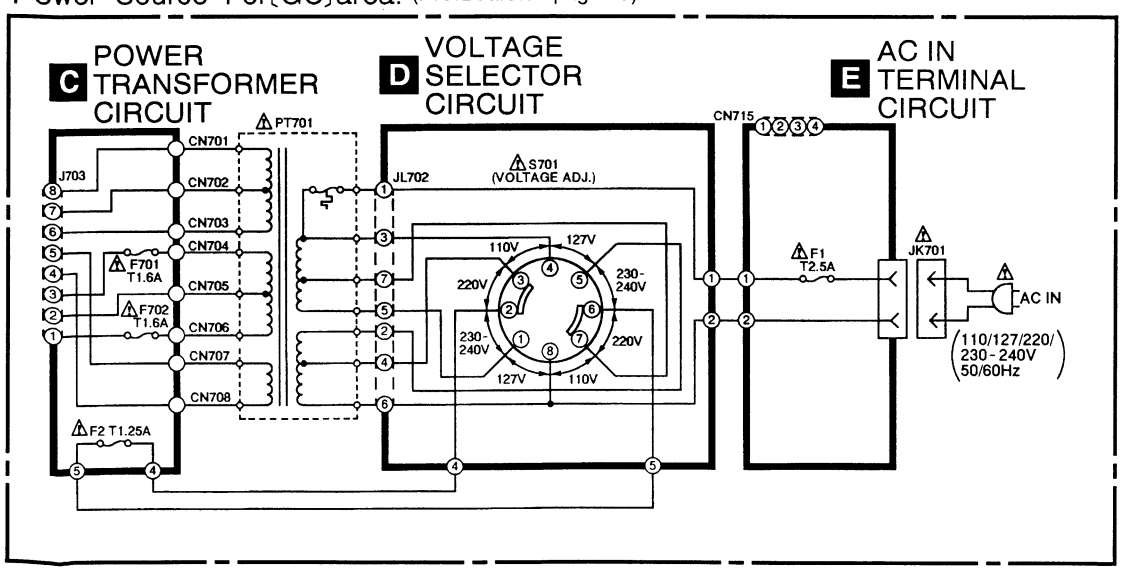
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
  Cover the parts boxes made of plastics with aluminum foil.
  Ground the soldering iron.
  Put a conductive mat on the work table.
  Do not touch the legs of IC or LSI with the fingers directly.

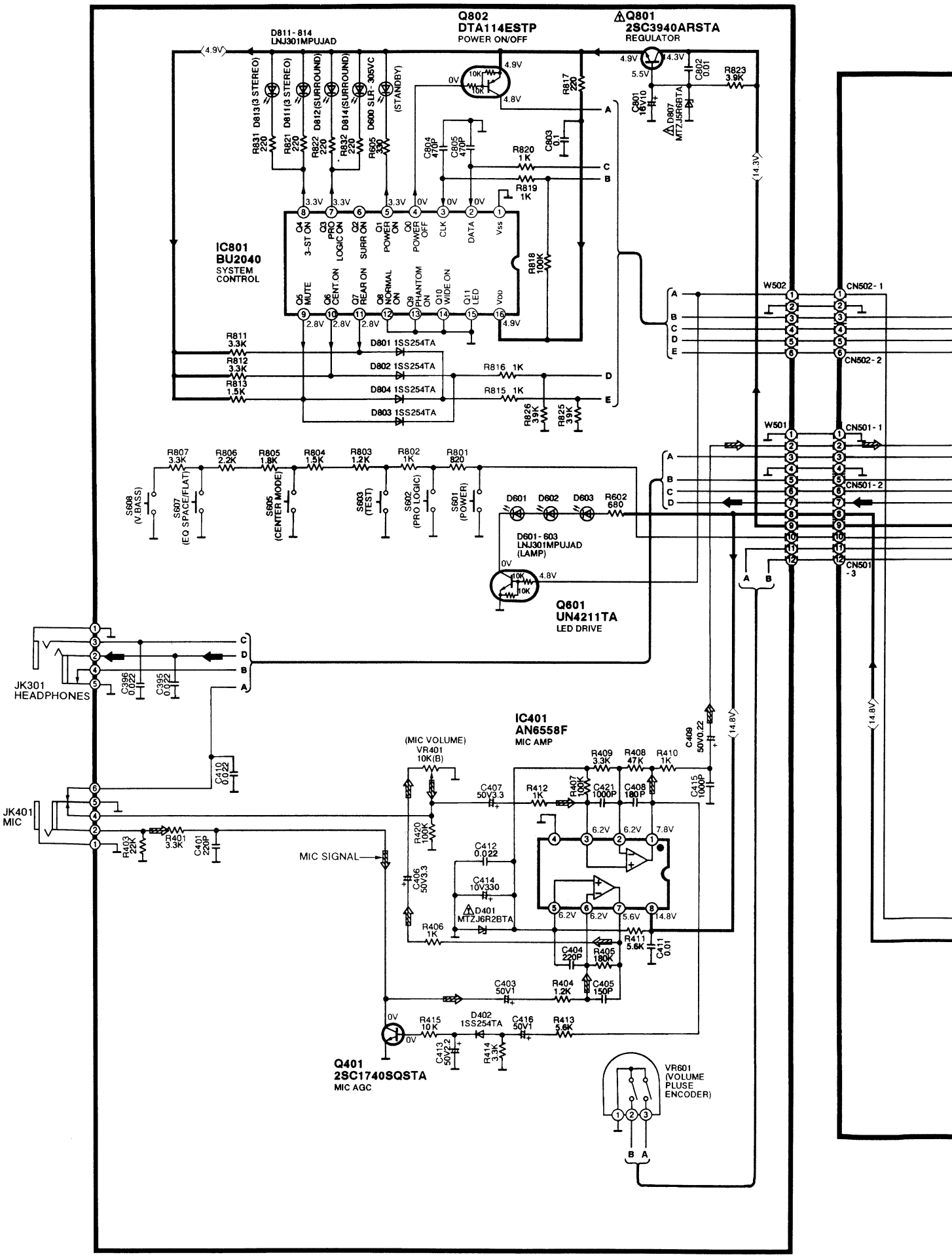
- **Voltage and signal line**

: Positive voltage line
: Negative voltage line
: Source signal Line (L-ch)
: Mic signal
: Surround speaker drive signal line
: Center speaker drive signal line

Power Source For[GC]area. (P.C.Board:on page 19)

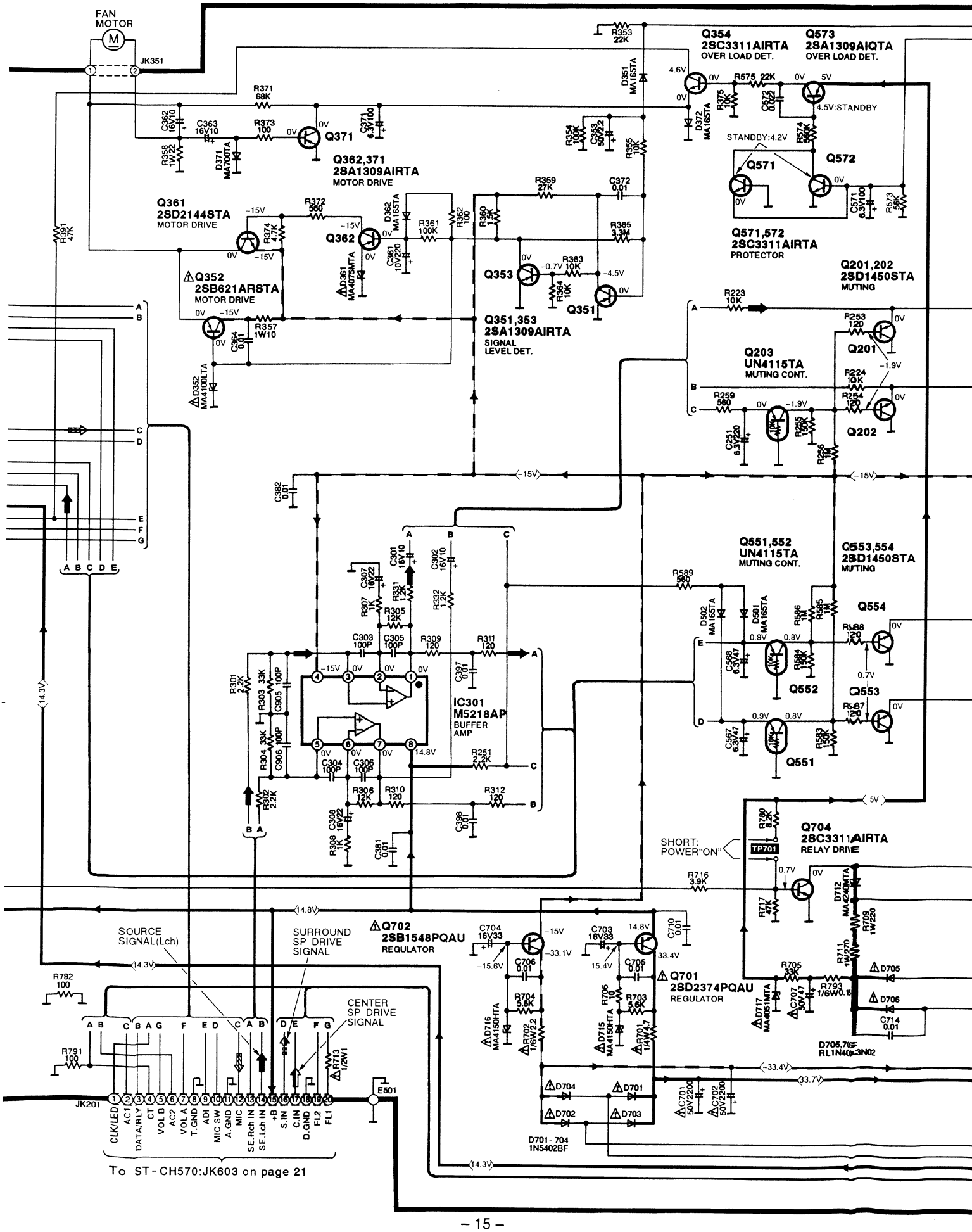


A OPERATION CIRCUIT (P.C.Board:on page 18)

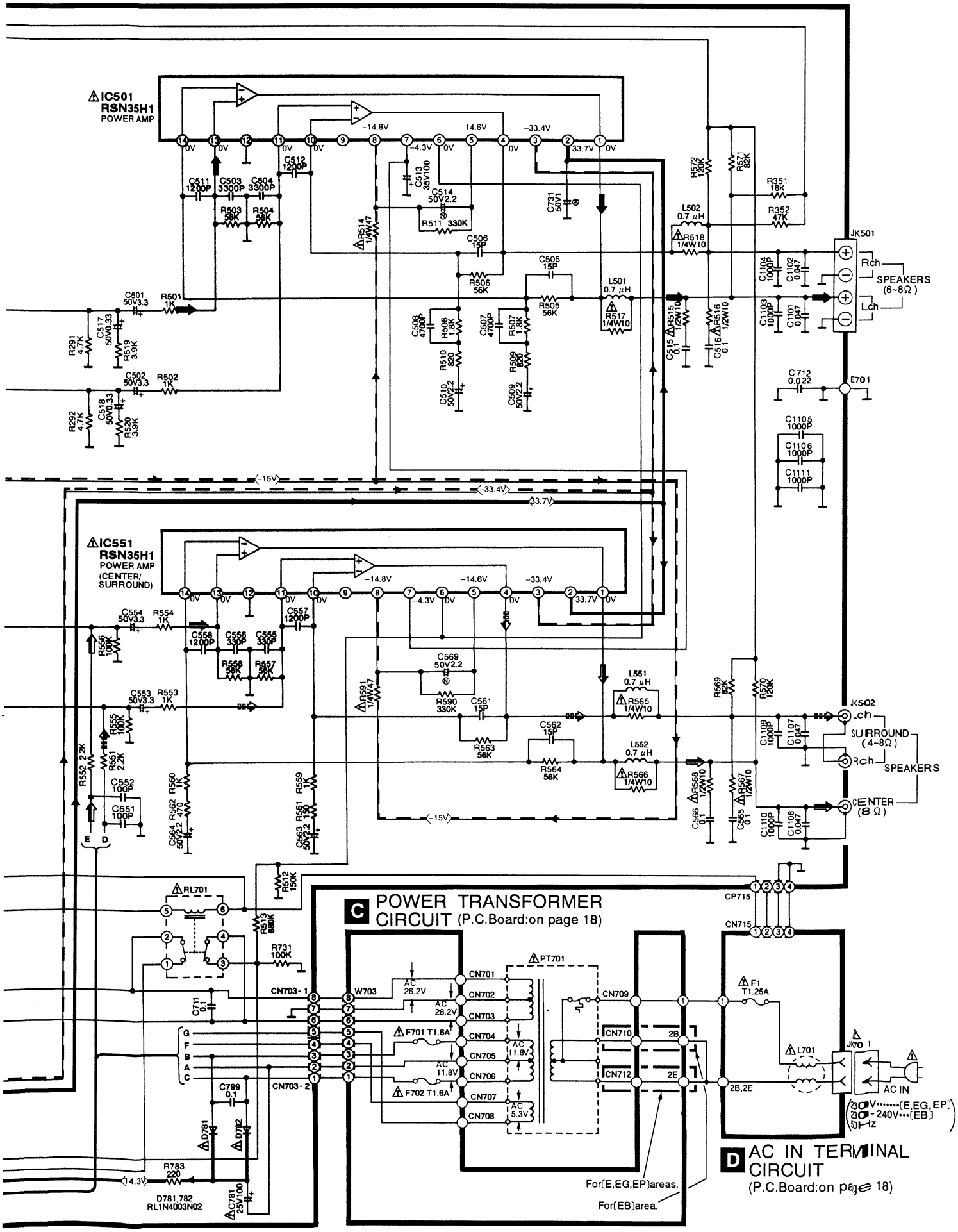


: Surround speaker drive signal line : Center speaker drive signal line
: Source signal Line (L-ch) : Mic signal line : Positive voltage line : Negative voltage line

B MAIN CIRCUIT (P.C.Board:on page 17)

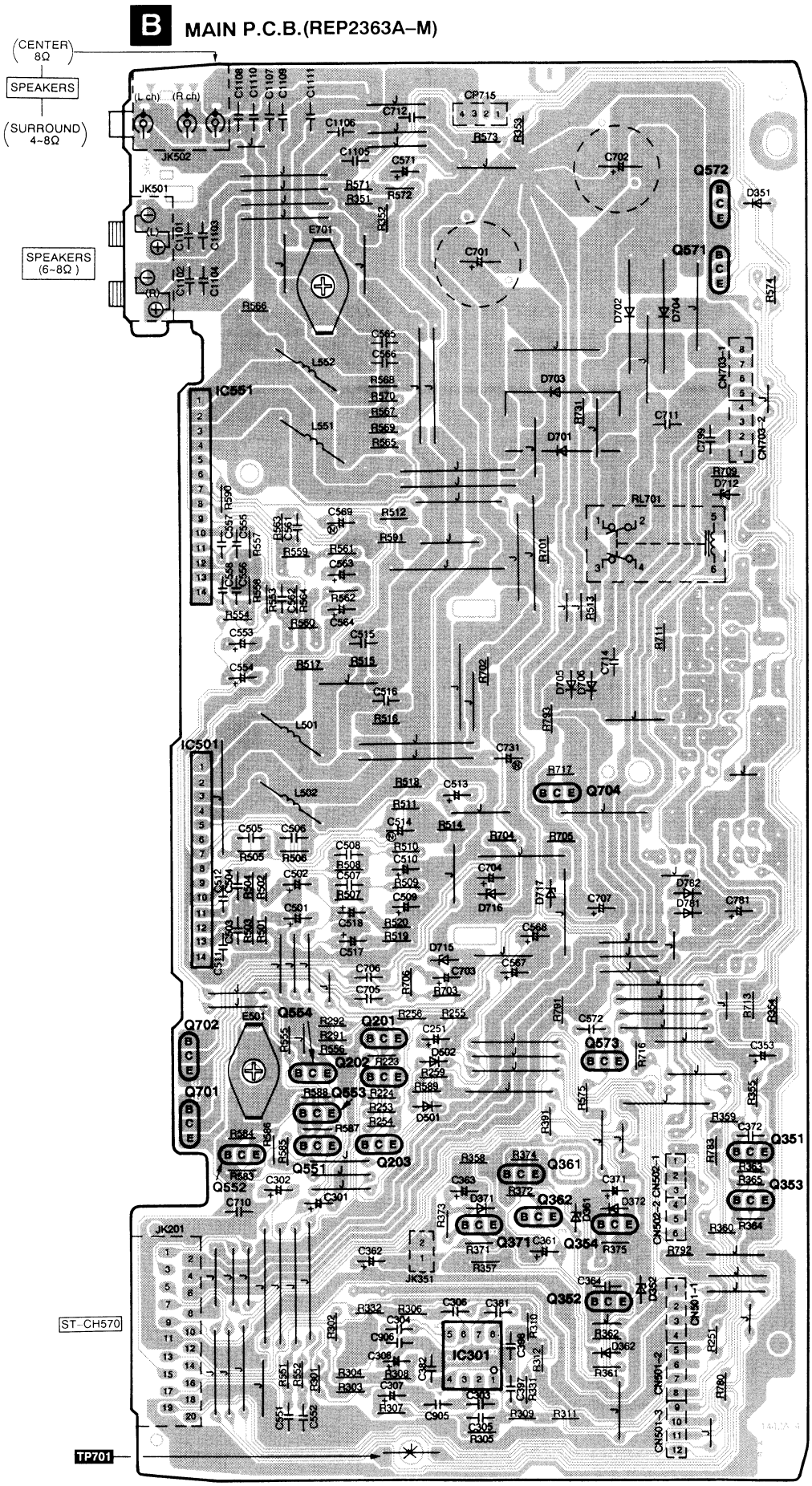


: Surround speaker drive signal line : Center speaker drive signal line
: Source signal Line (L-ch) : Positive voltage line : Negative voltage line

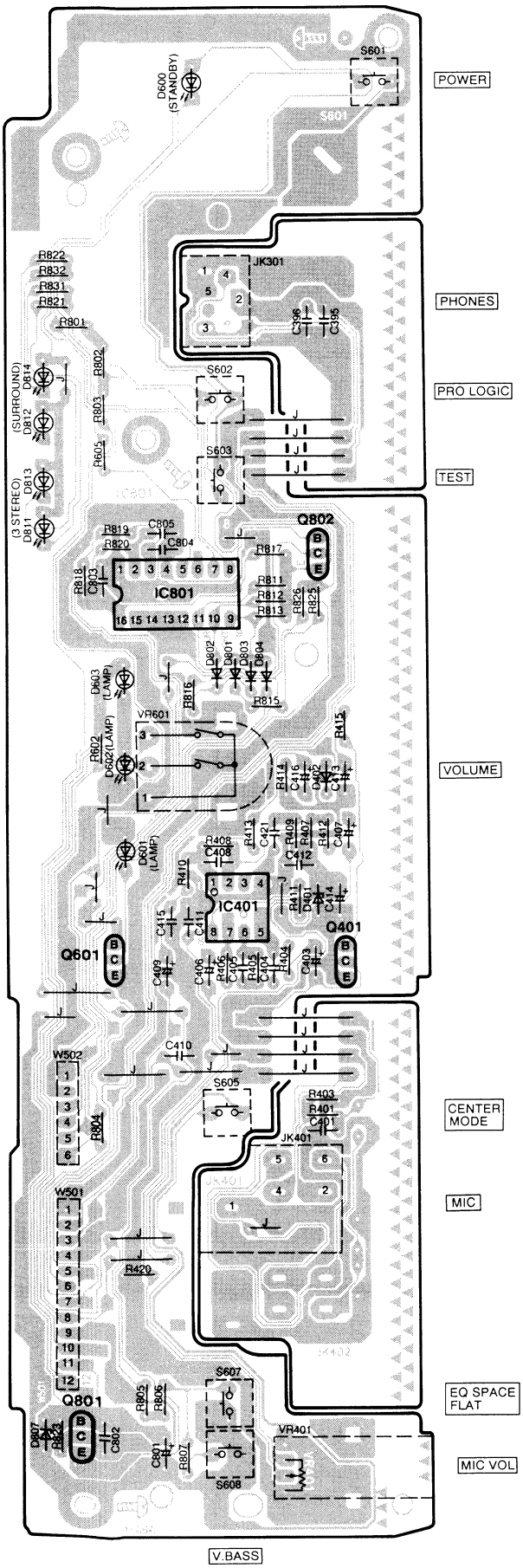


■ Printed Circuit Board Diagram

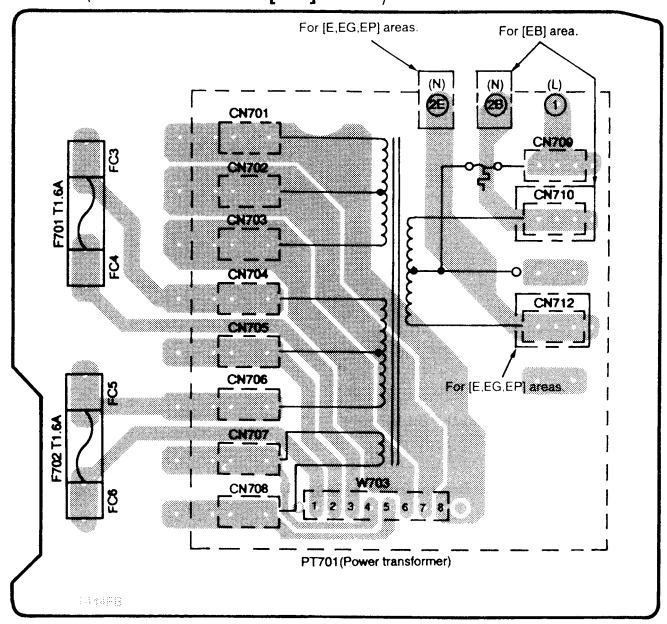
- This circuit board diagram may be modified at any time with the development of new technology.



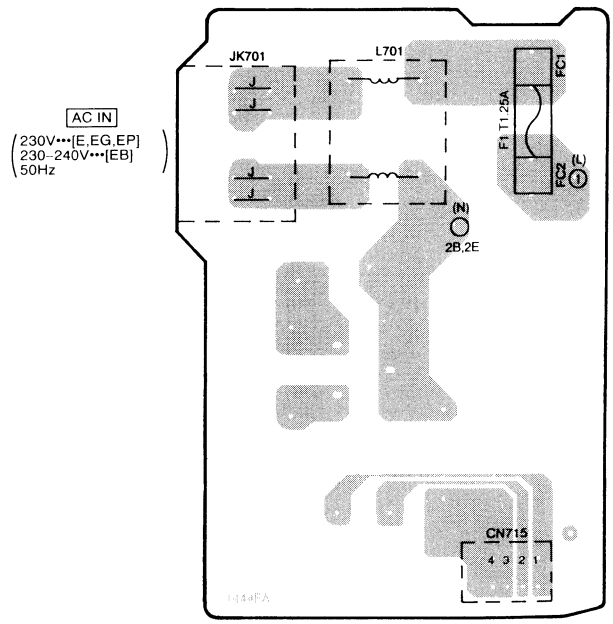
A OPERATION P.C.B. (REP2361A-S)



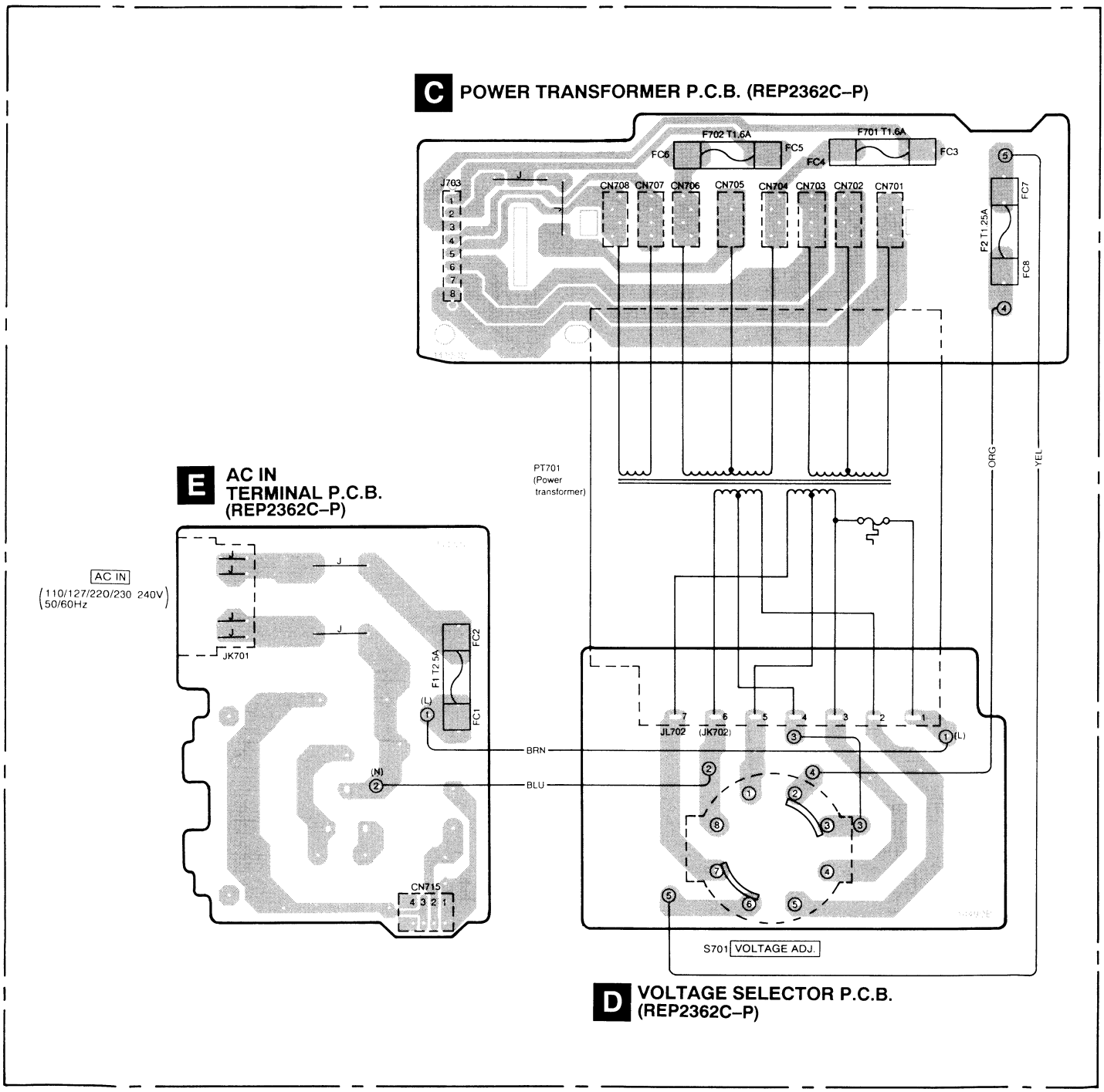
C POWER TRANSFORMER P.C.B. (REP2362A-P•••[E,EG,EP] REP2362B-P•••[EB])

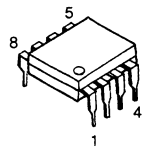
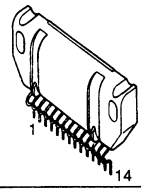
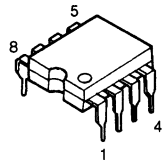
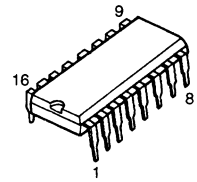
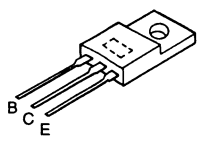
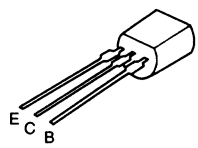
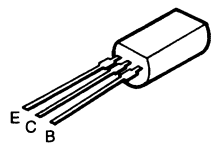
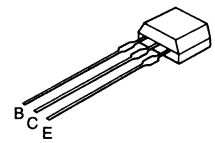
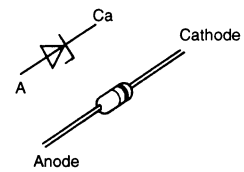
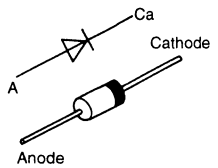
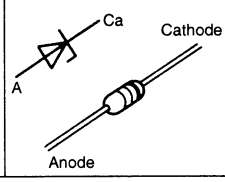
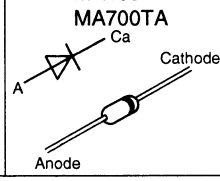
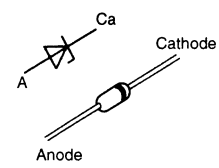
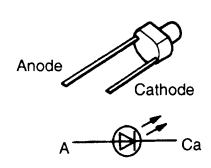
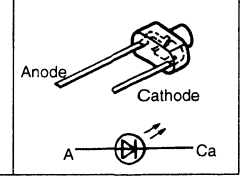


D AC IN TERMINAL P.C.B. (REP2362A-P•••[E,EG,EP] REP2362B-P•••[EB])

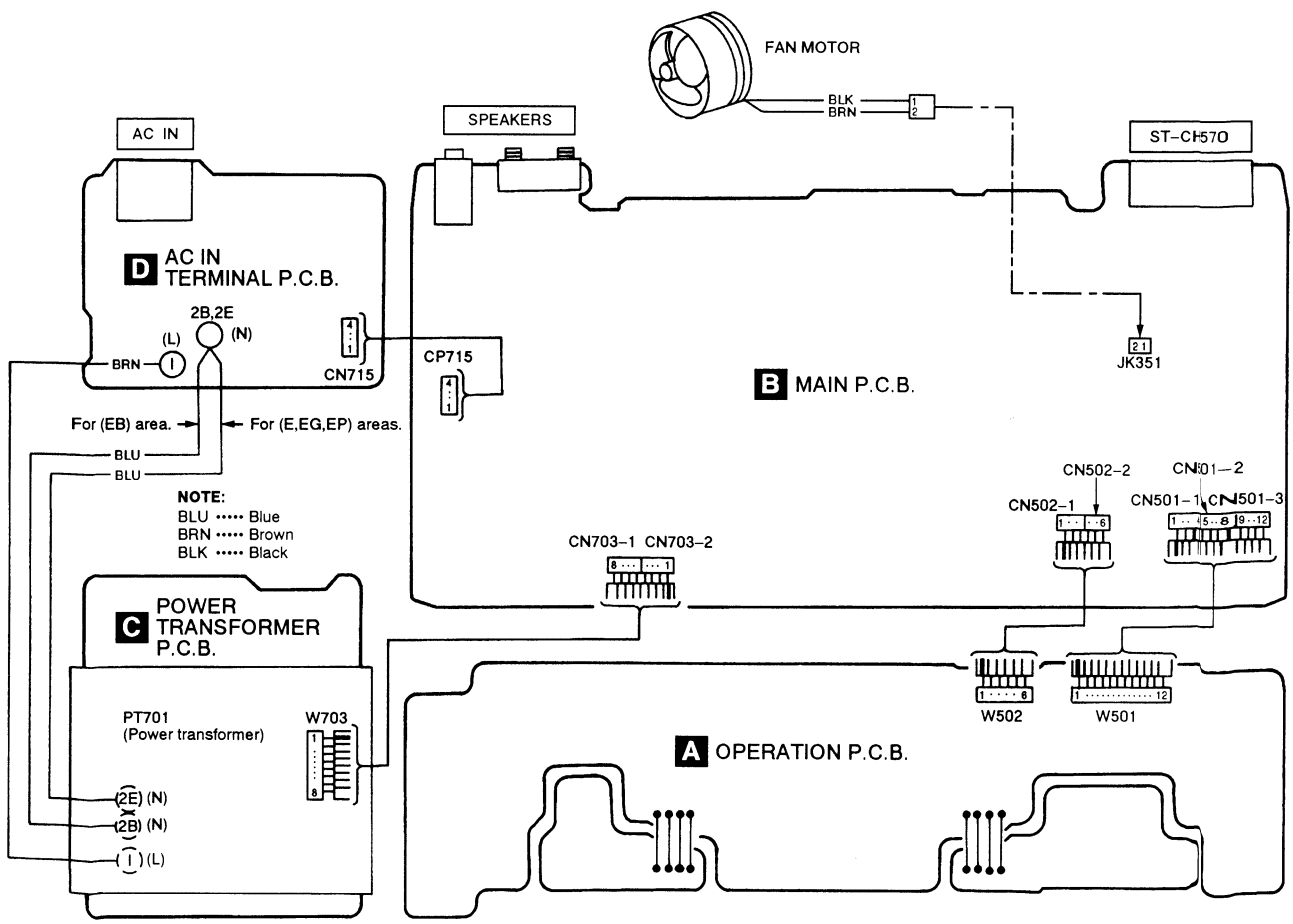


Power Source P.C.B. For [GC] area.

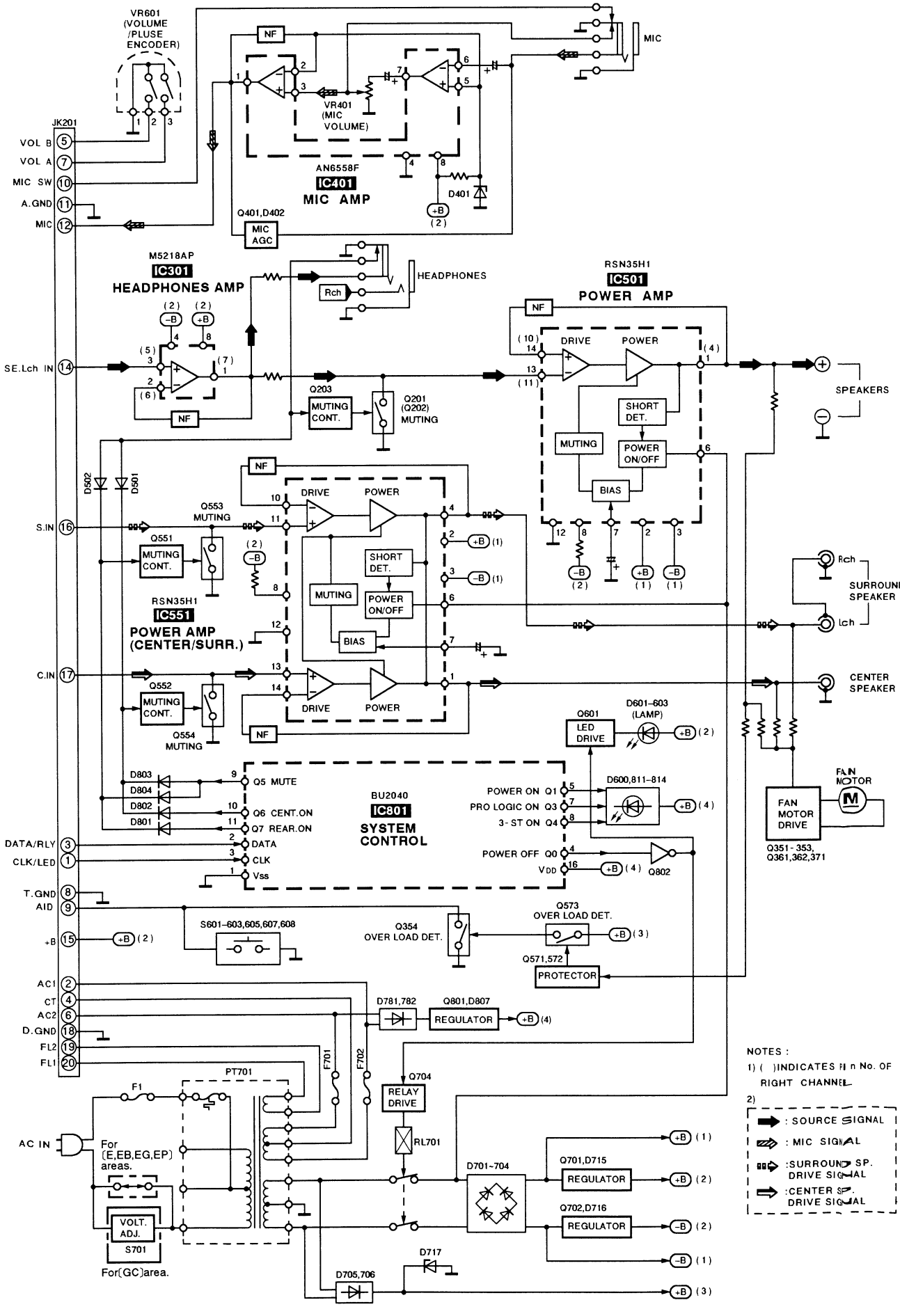


M5218AP 	RSN35H1 	AN6558F 	BU2040 		2SA1309AIQTA 2SA1309AIRTA 2SC3311AIRTA 2SD1450RTA UN4115 UN4211
2SB1548PQAU 2SD2374PQAU 	2SB621A-R 	2SC3940ARSTA 	2SC1740SQ 2SD2144S DTA114ESTP 		MA4100LTA MA4150M MA4240H
1N5402BF RL1N4003N02 	MA4051MTA MA4075MTA 	1SS254TA MA165 MA700TA 	MTZJ5R6BTA MTZJ6R2BTA 	SLR-305VC 	LNJ301MPUJAD 

■ Wiring Connection Diagram



■ Block Diagram



■ Replacement Parts List

Notes: *Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
*Remote Control Ass'y: Supply period for three years from termination of production.
*The "(SF)" mark denotes the standard part.
*<VRD>: indicates parts that are supplied by Video Recorder Division.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC301	M5218AP	IC, BUFFER AMP.	
IC401	AN6558F	IC, MIC AMP.	
IC501	RSN35H1	IC, POWER AMP.	⚠
IC551	RSN35H1	IC, POWER AMP.	⚠
IC801	BU2040	IC, SYSTEM CONTORL	
		TRANSISTOR(S)	
Q201, 202	2SD1450RTA	TRANSISTOR	
Q203	UN4115	TRANSISTOR	
Q351	2SA1309AIRTA	TRANSISTOR	
Q352	2SB621A-R	TRANSISTOR	⚠
Q353	2SA1309AIRTA	TRANSISTOR	
Q354	2SC3311AIRTA	TRANSISTOR	
Q361	2SD2144S	TRANSISTOR	
Q362	2SA1309AIRTA	TRANSISTOR	
Q371	2SA1309AIRTA	TRANSISTOR	
Q401	2SC1740SQ	TRANSISTOR	
Q551, 552	UN4115	TRANSISTOR	
Q553, 554	2SD1450RTA	TRANSISTOR	
Q571, 572	2SC3311AIRTA	TRANSISTOR	
Q573	2SA1309AIQTA	TRANSISTOR	
Q601	UN4211	TRANSISTOR	
Q701	2SD2374PQAU	TRANSISTOR	⚠
Q702	2SB1548PQAU	TRANSISTOR	⚠
Q704	2SC3311AIRTA	TRANSISTOR	
Q801	2SC3940ARSTA	TRANSISTOR	⚠
Q802	DTA114ESTP	TRANSISTOR	
		DIODE(S)	
D351	MA165	DIODE	
D352	MA4100LTA	DIODE	⚠
D361	MA4075MTA	DIODE	⚠
D362	MA165	DIODE	
D371	MA700TA	DIODE	
D372	MA165	DIODE	
D401	MTZJ6R2BTA	DIODE	⚠
D402	1SS254TA	DIODE	
D501, 502	MA165	DIODE	
D600	SLR-305VC	L. E. D	
D601-603	LNJ301MPUJAD	L. E. D	
D701-704	1N5402BF	DIODE	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
D705, 706	RL1N4003N02	DIODE	⚠
D712	MA4240H	DIODE	
D715, 716	MA4150M	DIODE	⚠
D717	MA4051MTA	DIODE	⚠
D781, 782	RL1N4003N02	DIODE	⚠
D801-804	1SS254TA	DIODE	
D807	MTZJ5R6BTA	DIODE	⚠
D811-814	LNJ301MPUJAD	LED	
		VARIABLE RESISTOR(S)	
VR401	RRV11A01B14A	V. R, MIC VOLUME CONTROL	
VR601	EVQWQAF2524B	V. R, MAIN VOLUME CONTROL	
		COIL(S)	
L501, 502	RLQYR73M	COIL	
L551, 552	RLQYR73M	COIL	
L701	RLQZ271M-K	COIL	⚠(E, EB, EG, EP)
		FUSE(S)	
F1	XBA2C12TB0S	FUSE, 250V T1. 25A	⚠(E, EB, EG, EP)
F1	XBA2C25TB0	FUSE, 250V T2. 5A	⚠(GC)
F2	XBA2C12TB0	FUSE, 250V T1. 25A	⚠(GC)
F701, 702	XBA2C16TB0	FUSE, 250V T1. 6A	⚠
		SWITCH(ES)	
S601	EVQ21405R	SW, POEWR	
S602	EVQ21405R	SW, PROLOGIC	
S603	EVQ21405R	SW, TEST	
S605	EVQ21405R	SW, CENTER MODE	
S607	EVQ21405R	SW, EQ SPACE/FLAT	
S608	EVQ21405R	SW, V. BASS	
S701	ESE37314	SW, VOLTAGE SELECTOR	⚠(GC)
		CONNECTOR(S)	
CN501-1	RJS1A6604	CONNECTOR(4P)	
CN501-2	RJS1A6604	CONNECTOR(4P)	
CN501-3	RJS1A6604	CONNECTOR(4P)	
CN502-1	RJS1A6603	CONNECTOR(3P)	
CN502-2	RJS1A6603	CONNECTOR(3P)	
CN701-708	RJS1A1101T1	CONNECTOR(1P)	
CN703-1	RJS1A6604	CONNECTOR(4P)	

Ref. No.	Part No.	Part Name & Description	Remarks
CN703-2	RJS1A6604	CONNECTOR (4P)	
CN709	RJS1A1101T1	CONNECTOR (1P)	(E, EB, EG, EP)
CN710	RJS1A1101T1	CONNECTOR (1P)	(EB)
CN712	RJS1A1101T1	CONNECTOR (1P)	(E, EG, EP)
CN715	RJU057W004	CONNECTOR (4P)	
CP715	RJT057W004-1	CONNECTOR (4P)	
		EARTH TERMINAL (S)	
E501	SNE1004-2	GND PLATE	
E701	SNE1004-2	GND PLATE	
		FUSE HOLDER (S)	
FC1-6	EYF52BC	FUSE HOLDER	
FC7, 8	EYF52BC	FUSE HOLDER	(GC)
		TRANSFORMER (S)	
PT701	RTP2M5B007	POEWR TRANSFORMER	⚠ (E, EB, EG, EP)
PT701	RTP2M5E009	POEWR TRANSFORMER	⚠ (GC)
		RELAY	
RL701	RSY0013M-0	RELAY	⚠
		JACK (S)	
JK201	RJT065K20	SYSTEM CONNECTOR (20P)	
JK301	RJJ37TN01-C	HEADPHONES JACK	
JK351	SJT3213	CONNECTOR (2P)	
JK401	RJJ65MA01	MIC JACK	
JK501	RJR0054M	SP TERMINAL (FRONT)	
JK502	RJH2301MS	SP TERMIANL (CENTER/SURROUND	
JK701	SJS9236	AC INLET	⚠
JL702	SJS702-2	CONNECTOR (7P) (JK702)	(GC)

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R223, 224	ERDS2TJ103	1/4W 10K
R251	ERDS2TJ222	1/4W 2.2K
R253, 254	ERDS2EJ121	1/4W 120
R255	ERDS2TJ154	1/4W 150K
R256	ERDS2TJ105T	1/4W 1M
R259	ERDS2TJ561	1/4W 560
R291, 292	ERDS2TJ472	1/4W 4.7K
R301, 302	ERDS2TJ222	1/4W 2.2K
R303, 304	ERDS2TJ333	1/4W 33K
R305, 306	ERDS2TJ123	1/4W 12K
R307, 308	ERDS2TJ102	1/4W 1K
R309-312	ERDS2EJ121	1/4W 120
R331, 332	ERDS2TJ122	1/4W 1.2K
R351	ERDS2TJ183T	1/4W 18K
R352	ERDS2TJ473	1/4W 47K
R353	ERDS2TJ223	1/4W 22K
R354	ERDS2TJ104	1/4W 100K
R355	ERDS2TJ103	1/4W 10K
R357	ERG1SJ100E	1W 10
R358	ERG1SJ220E	1W 22
R359	ERDS2TJ273	1/4W 27K
R360	ERDS2TJ152	1/4W 1.5K
R361	ERDS2TJ104	1/4W 100K
R362	ERDS2TJ101	1/4W 100
R363, 364	ERDS2TJ103	1/4W 10K
R365	ERDS2TJ335T	1/4W 3.3M
R371	ERDS2TJ683	1/4W 68K
R372	ERDS2TJ561	1/4W 560
R373	ERDS2TJ101	1/4W 100
R374	ERDS2TJ472	1/4W 4.7K
R375	ERDS2TJ103	1/4W 10K
R391	ERDS2TJ473	1/4W 47K
R401	ERDS2TJ332	1/4W 3.3K
R403	ERDS2TJ223	1/4W 22K
R404	ERDS2TJ122	1/4W 1.2K
R405	ERDS2TJ184T	1/4W 180K
R406	ERDS2TJ102	1/4W 1K
R407	ERDS2TJ104	1/4W 100K
R408	ERDS2TJ473	1/4W 47K
R409	ERDS2TJ332	1/4W 3.3K
R410	ERDS2TJ102	1/4W 1K
R411	ERDS2TJ562	1/4W 5.6K
R412	ERDS2TJ102	1/4W 1K
R413	ERDS2TJ562	1/4W 5.6K
R414	ERDS2TJ332	1/4W 3.3K
R415	ERDS2TJ103	1/4W 10K

Ref. No.	Part No.	Values & Remarks
R420	ERDS2TJ104	1/4W 100K
R501, 502	ERDS2TJ102	1/4W 1K
R503-506	ERDS2TJ563	1/4W 56K
R507, 508	ERDS2TJ182	1/4W 1.8K
R509, 510	ERDS2TJ821	1/4W 820
R511	ERDS2TJ334	1/4W 330K
R512	ERDS2TJ154	1/4W 150K
R513	ERDS2TJ684	1/4W 680K
R514 ⚠	ERD25FJ470	1/4W 47
R515, 516⚠	ERDS1FVJ100T	1/2W 10
R517, 518⚠	ERD25FVJ100T	1/4W 10
R519, 520	ERDS2TJ392T	1/4W 3.9K
R551, 552	ERDS2TJ222	1/4W 2.2K
R553, 554	ERDS2TJ102	1/4W 1K
R555, 556	ERDS2TJ104	1/4W 100K
R557, 558	ERDS2TJ563	1/4W 56K
R559, 560	ERDS2TJ102	1/4W 1K
R561	ERDS2TJ151	1/4W 150
R562	ERDS2TJ471	1/4W 470
R563, 564	ERDS2TJ563	1/4W 56K
R565, 566⚠	ERD25FVJ100T	1/4W 10
R567, 568⚠	ERDS1FVJ100T	1/2W 10
R569	ERDS2TJ823T	1/4W 82K
R570	ERDS2TJ124T	1/4W 120K
R571	ERDS2TJ823T	1/4W 82K
R572	ERDS2TJ124T	1/4W 120K
R573	ERDS2TJ563	1/4W 56K
R574	ERDS2TJ564	1/4W 560K
R575	ERDS2TJ223	1/4W 22K
R583, 584	ERDS2TJ154	1/4W 150K
R585, 586	ERDS2TJ105T	1/4W 1M
R587, 588	ERDS2EJ121	1/4W 120
R589	ERDS2TJ561	1/4W 560
R590	ERDS2TJ334	1/4W 330K
R591 ⚠	ERD2FCVG470T	1/4W 47
R602	ERDS2TJ681	1/4W 680
R605	ERDS2TJ331	1/4W 330
R701 ⚠	ERD2FCVJ4R7T	1/4W 4.7
R702 ⚠	ERQ16NKW2R2E	1/6W 2.2
R703, 704	ERDS2TJ562	1/4W 5.6K
R705	ERDS2TJ333	1/4W 33K
R706	ERDS2TJ100	1/4W 10
R709	ERG1SJ221E	1W 220
R711	ERG1SJ271E	1W 270
R713⚠	ERDS1FVJ1R0T	1/2W 1.0
R716	ERDS2TJ392T	1/4W 3.9K
R717	ERDS2TJ473	1/4W 47K
R731	ERDS2TJ104	1/4W 100K
R780	ERDS2TJ822	1/4W 8.2K

Ref. No.	Part No.	Values & Remarks
R783	ERDS2TJ221	1/4W 220
R791, 792	ERDS2TJ101	1/4W 100
R793	ERQ16NKWR15E	1/6W 0.15
R801	ERDS2TJ821	1/4W 820
R802	ERDS2TJ102	1/4W 1K
R803	ERDS2TJ122	1/4W 1.2K
R804	ERDS2TJ152	1/4W 1.5K
R805	ERDS2TJ182	1/4W 1.8K
R806	ERDS2TJ222	1/4W 2.2K
R807	ERDS2TJ332	1/4W 3.3K
R811, 812	ERDS2TJ332	1/4W 3.3K
R813	ERDS2TJ152	1/4W 1.5K
R815, 816	ERDS2TJ102	1/4W 1K
R817	ERDS2TJ221	1/4W 220
R818	ERDS2TJ104	1/4W 100K
R819, 820	ERDS2TJ102	1/4W 1K
R821, 822	ERDS2TJ221	1/4W 220
R823	ERDS2TJ392T	1/4W 3.9K
R825, 826	ERDS2TJ393	1/4W 39K
R831, 832	ERDS2TJ221	1/4W 220
		CAPACITORS
C251	ECEA0JKA221B	6.3V 220U
C301, 302	ECEA1CKA100B	16V 10U
C303-306	ECBT1H101KB5	50V 100P
C307, 308	ECEA1CKA220B	16V 22U
C353	ECEA1HKA2R2B	50V 2.2U
C361	ECEA1AKA221B	10V 220U
C362, 363	RCE1CKA100BG	16V 10U
C364	ECBT1E103ZF	25V 0.01U
C371	ECEA0JKA101B	6.3V 100U
C372	ECBT1E103ZF	25V 0.01U
C381, 382	ECBT1E103ZF	25V 0.01U
C395, 396	ECBT1E223ZF	25V 0.022U
C397, 398	ECBT1E103ZF	25V 0.01U
C401	ECBT1H221KB5	50V 220P
C403	ECEA1HKA010B	50V 1U
C404	ECBT1H221KB5	50V 220P
C405	ECBT1H151KB5	50V 150P
C406, 407	ECEA1HKA3R3B	50V 3.3U
C408	ECBT1H181KB5	50V 180P
C409	ECEA1HKAR22B	50V 0.22U (E, EB, EG)
C409	ECEA1HKAR22B	50V 0.22U (EP)
C410	ECBT1E223ZF	25V 0.022U
C411	ECBT1E103ZF	25V 0.01U
C412	ECBT1E223ZF	25V 0.022U
C413	ECEA1HKA2R2B	50V 2.2U
C414	ECEA1AU331	10V 330U

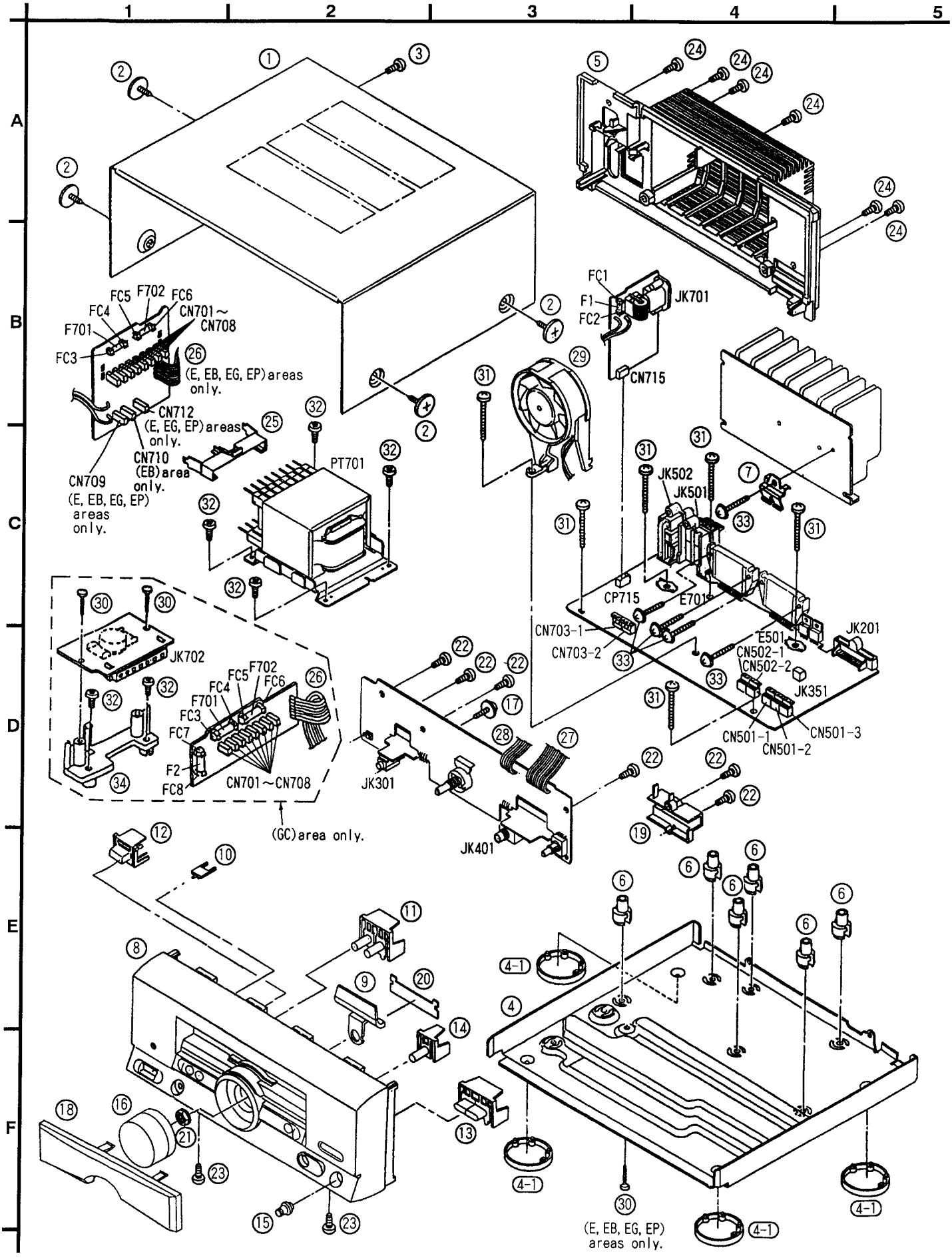
Ref. No.	Part No.	Values & Remarks
C415	ECBT1H102KB5	50V 1000P
C416	ECEA1HKA010B	50V 1U
C421	ECBT1H102KB5	50V 1000P
C501, 502	ECA1HAP3R3B	50V 3.3U
C503, 504	ECBT1C332KR5	16V 3300P
C505, 506	ECBT1H150J5	50V 15P
C507, 508	ECBT1C472KR5	16V 4700P
C509, 510	ECEA1HKA2R2B	50V 2.2U
C511, 512	ECBT1C122KR5	16V 1200P
C513	ECA1VM101B	35V 100U
C514	ECEA1HKN2R2B	50V 2.2U
C515, 516	ECFR1H104ZF	50V 0.1U
C517, 518	ECEA1HKAR33B	50V 0.33U
C551, 552	ECBT1H101KB5	50V 100P
C553, 554	RCE1HKA3R3BG	50V 3.3U
C555, 556	ECBT1H331KB5	50V 330P
C557, 558	ECBT1C122KR5	16V 1200P
C561, 562	ECBT1H150J5	50V 15P
C563, 564	ECEA1HKA2R2B	50V 2.2U
C565, 566	ECFR1H104ZF	50V 0.1U
C567, 568	ECEA0JKA470B	6.3V 47U
C569	ECEA1HKN2R2B	50V 2.2U
C571	ECEA0JKA101B	6.3V 100U
C572	ECBT1E223ZF	25V 0.022U
C701, 702⚠	ECA1HM222B	50V 2200U
C703, 704	ECEA1CKA330B	16V 33U
C705, 706	ECKR1H103ZF5	50V 0.01U
C707 ⚠	ECA1HM470B	50V 47U
C710	ECBT1E103ZF	25V 0.01U
C711	ECQE1104KF3	100V 0.1U
C712	ECBT1E223ZF	25V 0.022U
C714	ECKR2H103ZU	500V 0.01U
C731	ECEA1HKN010B	50V 1U
C781 ⚠	ECA1EM101B	25V 100U
C799	ECBT1H104ZF5	50V 0.1U
C801	ECEA1CKA100B	16V 10U
C802	ECBT1E103ZF	25V 0.01U
C803	ECBT1H104ZF5	50V 0.1U
C804, 805	ECBT1H471KB5	50V 470P
C905, 906	ECBT1H101KB5	50V 100P
C1101, 1102	ECBT1H473ZF5	50V 0.047U
C1103-1106	ECBT1H102KB5	50V 1000P
C1107, 1108	ECBT1H473ZF5	50V 0.047U
C1109-1111	ECBT1H102KB5	50V 1000P

Note: The reference number SA represent the grease and tool used for this unit.

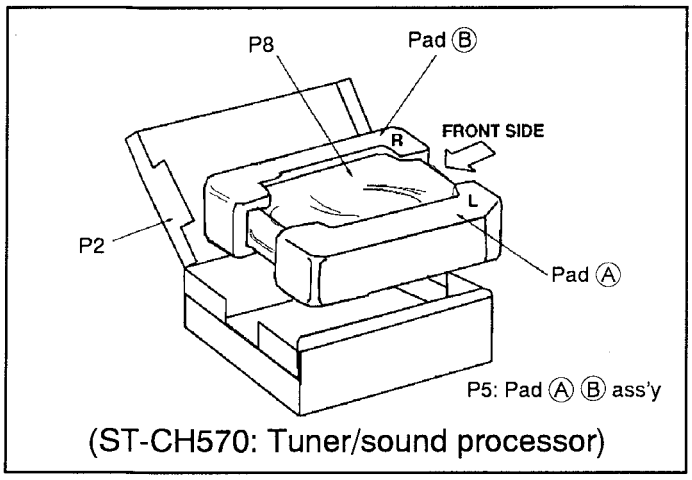
Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RKM0202A-K	TOP CABINET	
2	RHD30007-K1	SCREW	
3	XTBS3+10JFZ1	SCREW	
4	RFKJECA7-N	BOTTON CHASSIS ASS'Y	(E, EB, EG, EP)
4	RFKJECH730GC	BOTTON CHASSIS ASS'Y	(GC)
4-1	RKA0011-3	FOOT	
5	RKF0488-K	REAR PANEL ASS'Y	(E, EG, EP)
5	RFKHECH570EB	REAR PANEL ASS'Y	(EB)
5	RFKHECH570GC	REAR PANEL ASS'Y	(GC)
6	RKQ0089	SPACER	
7	RMC0158	HOLDER	
8	RFKGECH570EK	FRONT PANEL ASS'Y	
9	RGL0343-Q	PANEL LIGHT	
10	RGL0282-Q	PANEL LIGHT	
11	RGU1433-K	BUTTON, DOLBY/TEST	
12	RGU1224-K	BUTTON, POWER	
13	RGU1431-K	BUTTON, EQ/V. BASS	
14	RGU1434-K	BUTTON, CENTER MODE	
15	RGW0235-K	KNOB, MIC VOLUME	
16	RGW0253-K	KNOB, MAIN VOLUME	
17	RHD26016	SCREW	
18	RKW0465-Q	PANEL	
19	RMN0329	HOLDER	
20	RMV0121	PLATE	
21	SNE4021-1	NUT	
22	XTBS26+10J	SCREW	
23	XTBS3+8JFZ1	SCREW	
24	XTB3+10JFZ	SCREW	
25	RMN0191	HOLDER	
26	RWJ1808130XX	FLAT CABLE(8P) (W703)	(E, EB, EG, EP)
26	RWJ1808100XX	FLAT CABLE(8P) (J703)	(GC)
27	RWJ7012220QC	FLAT CABLE(12P) (W501)	
28	RWJ7006200QC	FLAT CABLE(6P) (W502)	
29	REM0057	FAN	
30	XTB3+12JFZ	SCREW	
31	XTB3+20JFZ	SCREW	
32	XTB3+8JFZ	SCREW	
33	XTW3+15T	SCREW	
34	RMN0190-1	HOLDER	(GC)

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG2962	PACKING CASE(SYSTEM)	(E, EB, EG, EP)
P1	RPG2964	PACKING CASE(SYSTEM)	(GC)
P2	RPG2708	PACKING CASE(CD/TUNER)	
P3	RPG2707	PACKING CASE(DECK)	
P4	RPG2706	PACKING CASE(AMPLIFIER)	
P5	RPN0893	PAD(CD/TUNER)	
P6	RPN0892-1	PAD(DECK)	
P7	RPN0891	PAD(AMPLIFIER)	
P8	SPP740	PROTECTION COVER	
P9	RPF0139	PROTECTION COVER	
P10	RPQ0522	SPACER	
P11	RPQ0541	SPACER	
P12	RPQ0664	SPACER	
		ACCESSORIES	
A1	RAK-CH201WH	REMOTE CONTROL TRANSMITTER	
A1-1	RKK0057-K	BATTERY COVER	
A2	REE0499	SPEAKER CORD(2000mm)	
A3	REX0608	FLAT CABLE(SHORT)	
A4	REX0660	FLAT CABLE(MEDIUM)	
A5	REX0661	FLAT CABLE(LONG)	
A6	RJA0019-2K	AC MAINS LEAD	⚠(E, EG, EP, GC) (SF)
A6	RJA0049-K	AC MAINS LEAD	⚠(EB)
A7	RFKSECH570EK	INSTRUCTION MANUAL ASS'Y	(E)
A7	RFKSECH570EB	INSTRUCTION MANUAL ASS'Y	(EB)
A7	RFKSECH570EG	INSTRUCTION MANUAL ASS'Y	(EG)
A7	RQT3496-Q	INSTRUCTION MANUAL	(EP)
A7	RQT3495-G	INSTRUCTION MANUAL	(GC)
A8	RQA0117	WARRANTY CARD	(E, EB, EG)
A9	RQCB0169	SERVICE CENTER LIST	(E, EB, EG, GC)
A10	RSA0012	AM LOOP ANTENNA	
A10-1	RMN0244	ANTENNA HOLDER	
A10-2	XTN3+12AFZ	SCREW	
A11	RSA0007	FM INDOOR ANTENNA	(E, EB, EG, EP)
A11	RSA0006	FM INDOOR ANTENNA	(GC)
A12	SJP5213-2	POEWR PLUG ADAPTOR	(GC)
A13	SJP9009	ATTACHMENT PLUG	(EB)
		GREASE OR JIG/TOOL	
SA1	RFKX0002	COMPOUND GREASE	

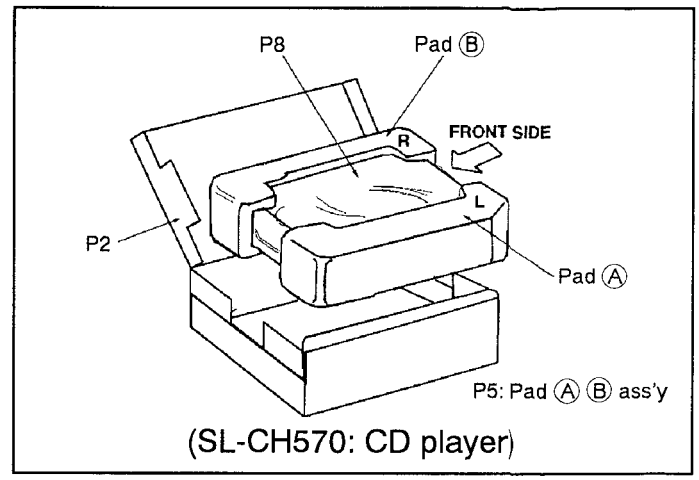
■ Cabinet Parts Location



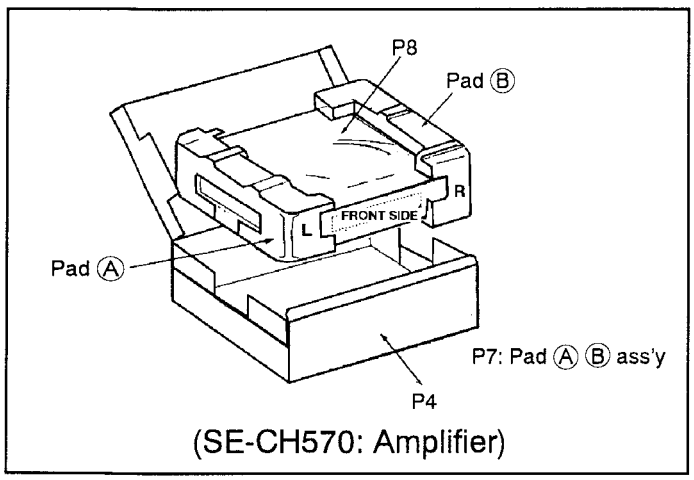
■ Packaging



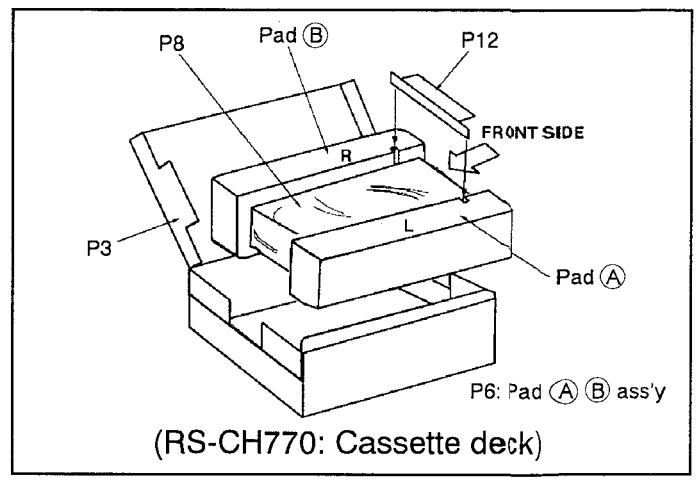
(ST-CH570: Tuner/sound processor)



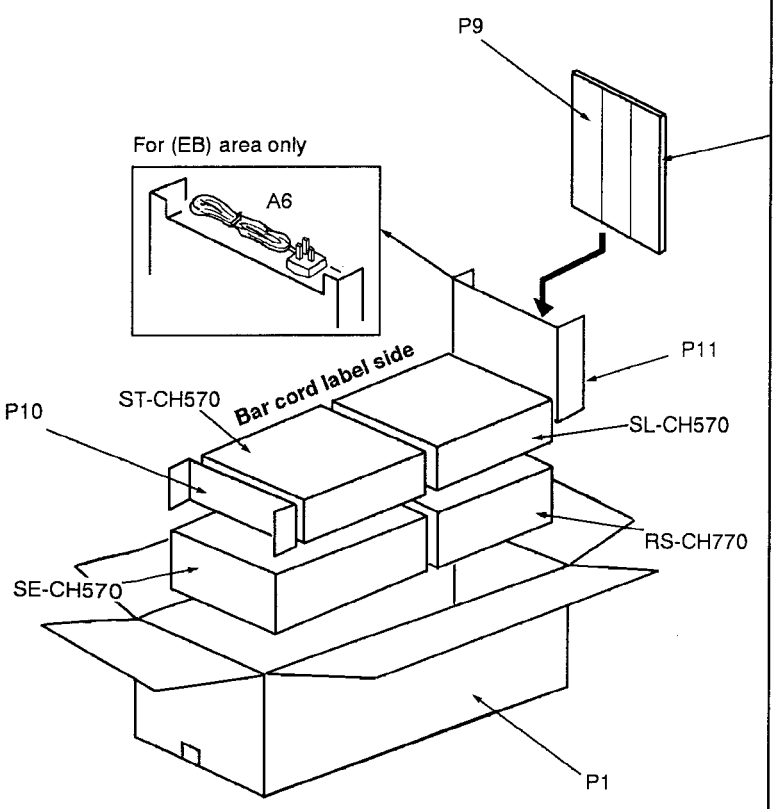
(SL-CH570: CD player)

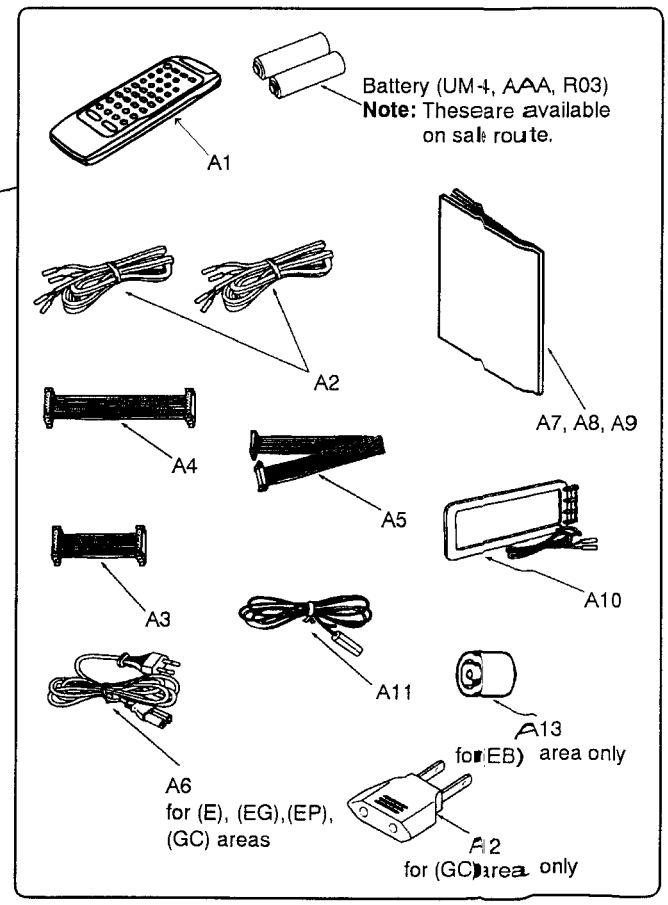


(SE-CH570: Amplifier)



(RS-CH770: Cassette deck)





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